

Astros



Media Guide

1979

SPRING TRAINING 1979

HEADQUARTERS: Astrotown, P. O. Box 45,
Orlando Highway 520 & Friday Rd.,
Cocoa, Fla. 32992
Telephone: (305) 632-5200

*** FIRST WORKOUT:** Pitchers & Catchers: Feb. 22
Others—Feb. 27

TRAINING SITE: Cocoa Stadium, Orlando Highway 520
& Friday Rd., Cocoa, Fla.
Location: Nine miles west of Cape
Kennedy and five miles west of Cocoa.

*No Player is required to report to spring training until Feb. 28.

HOUSTON SPRING TRAINING RECORD (Includes competition against Major League Teams only)

YEAR	WON	LOST	PCT.
1978	11	10	.524
TOTALS	226	201	.529
(1962-1978)			

DATE	OPPONENT	LOCATION	SCORE	
			H	O
March 9	Atlanta	West Palm Beach	_____	_____
March 10	Los Angeles	COCOA	_____	_____
March 11	Los Angeles	Vero Beach	_____	_____
March 12	Cincinnati	COCOA	_____	_____
March 13	Detroit	Lakeland	_____	_____
March 14	Minnesota	Orlando	_____	_____
March 15	OPEN		_____	_____
March 16	Montreal	Daytona Beach	_____	_____
March 17	Montreal	COCOA	_____	_____
March 18	Atlanta	COCOA	_____	_____
March 19	Minnesota	COCOA	_____	_____
March 20	Montreal	Daytona Beach	_____	_____
March 21	Montreal	COCOA	_____	_____
March 22	Detroit	COCOA	_____	_____
March 23	Atlanta	West Palm Beach	_____	_____
March 24	Minnesota	COCOA	_____	_____
March 25	Minnesota	Orlando	_____	_____
March 26	Boston	COCOA	_____	_____
March 27	OPEN		_____	_____
March 28	Montreal	COCOA	_____	_____
*March 29	Atlanta	COCOA	_____	_____
March 30	Cincinnati	Tampa	_____	_____
March 31	Montreal	Daytona Beach	_____	_____
April 1	Montreal	COCOA	_____	_____
*April 2	Minnesota	COCOA	_____	_____
April 3	Montreal	Daytona Beach	_____	_____
April 4	OPEN		_____	_____
April 5	U. of H.	ASTRODOME ⁺	_____	_____

* = Split squad

+ = 7:35 (CST) starting time. All others 1:30 (EST).



TABLE OF CONTENTS

All-Star Selections	99
Astrodome Story	97
Attendance Records	85, 86
BBWAA	98
Batting Records	64-68, 78, 79, 91, 92
Coaches Sketches	10-12
Day-by-Day-1978	58-63
Directory	2
Doubleheaders	79
Fielding Statistics	57
Front Office Sketches	5, 6
Gold Glove Winners	83
Grand Slams, Houston	94
Opposition	95
High/Low-1978	55
History	3, 4
Home Runs, Houston	73
Inside-the-park	96
Hotels	99
Manager Sketch	9
Records	6
Most Valuable Players	40
Non-Roster Sketches	41-43
Opening Day Games	83
Lineups	84
Opposition Batting and Pitching	90, 93
Pitching Records	64-68, 70, 72, 78-79, 87-89
Player Sketches	13-40
Pronunciation Guide	12
Public Relations Directory	103
Radio-Television	98
Records, Team All-Time	79-82
Roster-1979	52-53
Non-Roster-1979	54
All-Time	74-76
Schedule	104
Scouting and Player Development	44-48
Staff Sketches	49
Standings, 1978 NL Final	51
Statistics, Final-1978	50
Miscellaneous-1978	51, 55, 56
Home/Road	69, 70, 73
Streaks, Winning/Losing	96
Ticket Information	100
Transactions	7, 8

HOUSTON ASTROS ASTRODOME

P. O. Box 288
HOUSTON, TEXAS 77001

Phone: (713) 749-9500
Teletype: 901-881-1740

ASTRODOMAIN CORPORATION

Directors—George V. Brown III, Warren A. Genee, William E. Odom, Kenneth Whipple

President William E. Odom
Executive Vice President..... Warren A. Genee
Vice President-Treasurer..... James A. Glowney

HOUSTON SPORTS ASSOCIATION, INC.

President & General Manager Talbot M. Smith
Vice President-Sales, Marketing, Broadcasting..... Dean Borba
Assistant to the General Manager John W. Mullen
Administrative Assistant to the President..... Donald Davidson
Director of Minor League Operations..... William J. Wood
Director of Scouting Lynwood Stallings
Coordinator of Minor League Instruction..... Bob Cluck
Traveling Secretary Gerald Hunsicker
Director of Media Relations..... Herb Elk
Publicity and Scoreboard Operation Paul M. Darst
Publicity and Publications..... Edward A. Wade
Director of Broadcasting and Sponsor Sales..... Arthur V. Elliott
Broadcast and Promotion Sales..... Hugh Pickett
Broadcast and Promotion Sales Bill Carter
Director of Community Relations & Ticket
Sales Larry Dierker
Manager, Season Ticket Sales M. M. "Buddy" Hancken
Manager, Group Ticket Sales & Promotion
Coordination..... Carol J. Shaffer
Ticket Manager..... Ralph Stolarski
Comptroller Adam Richards
Team Physicians Dr. Harold Brelsford
Dr. Hatch Cummings, Jr.
Director of Physical Conditioning..... Dr. A. Eugene Coleman
Astrodome Public Address Announcers J. Fred Duckett, Dave Barrett

ASTRODOME-ASTROHALL STADIUM CORPORATION

Executive Vice President Jimmie D. Fore
Vice President, Stadium Operations Tom Martin
Director, Event Coordination Gerard J. Tollett
Director of Customer Service & Security..... Don Collins
Repairs and Maintenance James R. Garner

**For Additional Information, Statistics, Photos Or
Any Other Press, Radio Or Television Assistance
Contact**

HOUSTON ASTROS

ASTRODOME
P. O. Box 288
HOUSTON, TEXAS 77001
Phone: 713-749-9600
Teletype: 910-881-1740

or

ASTROTOWN
P. O. Box 45-Orlando Highway
520 and Friday Road
COCOA, FLORIDA 32922
Phone: 305-632-5200

ASTROS HISTORY

Major league baseball first came to Houston on April 10, 1962, when little Bobby Shantz pitched the Houston Colt 45's to an 11-2 win over Don Cardwell and the Chicago Cubs. It was the first of 64 wins the Colt 45's would accumulate under manager Harry Craft in their inaugural year.

Following the 1962 season, the Colt 45's played two more years in Colt Stadium, both of which were highlighted by outstanding pitching performances.

On April 26, 1963, Bob Bruce hurled a 2-0 one hitter over the Cincinnati Reds. That was topped just 21 days later when, on May 17, Don Nottebart took the mound at Colt Stadium and no-hit the Philadelphia Phillies, 4-1. Dick Farrell won 14 games in '63 to lead a Colt 45's staff that hurled 16 shutouts, a club record that would stand until 1974.

On April 23, 1964, pitcher Ken Johnson cruised into the ninth inning against his former teammates, the Cincinnati Reds, with a 0-0 score and a no-hitter. But without surrendering a hit in the ninth, Johnson lost the game, 1-0, becoming the first pitcher ever to lose a nine-inning no-hitter.

In that ninth inning, Pete Rose bunted to lead off the inning. Johnson fielded that ball but threw wildly with Rose going to second. Chico Ruiz then lined a ball back through the middle. The liner struck Johnson on the shin and caromed to third baseman Bob Aspromonte, who fielded it cleanly and threw Ruiz out. Rose took third on the play. Vada Pinson then hit a slow roller to second baseman Nellie Fox. Fox bobbled the ball and threw late to first. Pinson was safe on Fox's error and Rose scored the only run of the game. The line score in the ninth: one run, no hits, two errors and one for the record books.

The following year, Houston baseball propelled the sports world into a new era in stadium architecture with the opening of the Astrodome on April 9, 1965, when the new Houston Astros played the New York Yankees in history's first indoor baseball game. In that game, Mickey Mantle hit the Astrodome's first home run, but the Astros prevailed, 2-1, before an exhibition game crowd of 47,876.

The first regular season National League game played at the Astrodome was held on April 12, 1965, before 42,652 fans. In that contest, Philadelphia Phillies' third baseman Richie Allen hit a two-run home run in the top of the third off starter Bob Bruce and Chris Short allowed only four Astros hits as the Phils won, 2-0.

In their first year "under glass", the Astros were 65-97 under manager Luman Harris, who would be replaced by Grady Hatton in December. The high point of the '65 season was the performance of rookie second baseman Joe Morgan. Morgan set club records for most at bats, runs scored, hits and triples in his first year in the big leagues.

In 1966, Morgan continued his fine play and was selected to start at second in the All-Star Game. However, an injury prevented him from participating. Left-hander Mike Cuellar compiled a 2.22 earned run average that year, a record that still stands. Another record set in 1966, was the crowd of 50,908 that squeezed into the Astrodome to see Sandy Koufax and the Los Angeles Dodgers defeat the Astros, 5-2, on June 22. It stands as the largest crowd ever to watch the Astros play.

The Astros had many stars in 1967, but none could shine more brightly than righthander Don Wilson. On June 18, Wilson struck out the formidable Hank Aaron for the final out in the ninth, as he recorded the third no-hitter in Houston baseball history. In the 2-0 gem, Wilson allowed only three base runners, all on walks, and struck out 15.

Along with Wilson's brilliant performance, Jim Wynn smacked 37 home runs and drove in 107 runs in 1967, both of which were club records. And Rusty Staub batted .333 and, along with Cuellar, represented the Astros on the National League All-Star Team.

In 1968, Grady Hatton was replaced as manager by Harry "The Hat" Walker in June. Wilson fanned eight straight Cincinnati Reds on his way

ASTROS HISTORY (Continued)

to an 18-strikeout performance and a 6-1 win on July 14. Wilson, a 13-game winner, was one of four Astros pitchers to win 10 or more games in 1968. The others were Larry Dierker (12), Dave Giusti (11) and Denny Lemaster (10).

The Astros were involved in back-to-back no-hitters in 1969. On April 30, Cincinnati's Jim Maloney no-hit the Astros, 10-0. The following night, Wilson walked six and struck out 13 in no-hitting the Reds, 4-0.

The Astros also had their first 20-game winner in 1969, when Dierker completed 20 games on his way to a 20-13 mark. One game that even Dierker wouldn't have been able to complete even if he had pitched in it, was the 24-inning marathon against the Mets in the Astrodome on April 15, 1968. The Astros finally won, 1-0, on an unearned run in the bottom of the 24th. It still stands as the longest game in Houston baseball history.

Following rather quiet 1970 and 1971 seasons, the Astros shocked baseball with one of the games' biggest deals of the 1971 winter baseball meetings. They traded Joe Morgan, Jack Billingham, Denis Menke, Cesar Geronimo and Ed Armbrister to the Reds for Lee May, Tommy Helms and Jimmy Stewart.

The blockbuster trade, coupled with the performances of Cesar Cedeno, Jerry Reuss, Doug Rader and Bob Watson in 1972, gave the Astros enough strength to propel them to their best finish ever; an 84-69 record. It was also the year that Leo Durocher replaced Walker at the helm in mid-August.

Cedeno and May were the bright spots in 1973, as the Astros finished 82-80. Cedeno batted .320, stole 56 bases and hit 25 home runs to become the first player in baseball history to steal 50 or more bases and hit 20 or more home runs in back-to-back seasons. May drove in 105 runs on the year, third highest in Astros' history.

After Durocher retired at the end of the 1973 season, Preston Gomez was named manager and led Houston to an 81-81 finish. Included in the Astros' 81 wins were three one-hitters by Houston pitchers (Tom Griffin vs. Pitt., Dave Roberts vs. Phila. and Don Wilson and Mike Cosgrove vs. Cinn.).

In that third one-hitter on Sept. 4, Wilson had pitched eight innings of no-hit baseball, but trailed in the game, 2-0. Gomez opted to use a pinch-hitter for Wilson in the bottom of the eighth and Wilson was deprived of a shot at his third no-hitter. Cosgrove came on in the ninth and surrendered a single as the Astros lost, 2-1.

The Astros underwent a major facelift in 1975. Tal Smith, who had been with the Houston organization for 13 years before leaving to take a position with the New York Yankees in 1973, returned to become general manager, replacing H.B. "Spec" Richardson on Aug. 7. Less than two weeks later, Smith named former Pittsburgh and Yankees manager Bill Virdon as skipper on Aug. 19.

In 1976, his first full year as manager, Virdon led the Astros to an 80-82 record, one of the wins coming on Dierker's no-hitter against Montreal on July 19. James Rodney Richard became the second 20-game winner in Astros' history by posting a 20-15 mark. He also finished second in the National League in strikeouts with 214, a club and personal high for J.R. He also led all Astros' pitchers in complete games, innings pitched and ERA.

Cedeno stole 58 bases in 1978, a club record. He also won his fifth consecutive Gold Glove.

In 1977, the Astros finished with an 81-81 record under Virdon. They were the only team in baseball to have three players with 40 or more stolen bases. (Cedeno 61, Cruz 44, Cabell 42). The Astros pitching staff led the NL with 37 complete games. Richard tied his own club record of 214 strikeouts, 14 of which came against the Dodgers on the final day of the season. Bob Watson set a club RBI mark with 110 and Jose Cruz was named Astros MVP by Houston BBWAA, as Houston finished third behind L.A. and Cincinnati.

In 1978, the Astros finished 74-88 and in fifth place. J.R. Richard struck out 303 batters to become the tenth pitcher, third National Leaguer and first N.L. righthander in history to fan 300 hitters in a season. Enos Cabell finished tenth in the league in hitting and set club records for games played in a season (162), at-bats (660) and hits (195). Jose Cruz hit .315 to finish third in the league in batting. Astros pitchers, led by Richard, led the league in shutouts and strikeouts.

Talbot M. Smith

President and General Manager

Tal Smith's first job in professional baseball was with the Cincinnati Reds' farm department in 1957. Since that time, he has climbed into the top executive position with the Houston Astros and is rated one of the brightest executives in all baseball.

Born September 27, 1933, in Framingham, Mass., he attended Culver Military Academy in Culver, Indiana, and Duke University in Durham, North Carolina, where he received a bachelor of arts and business administration degree in 1955. Following graduation, Smith served as an officer in the Air Force for two years.

In December, 1957, Smith joined the Reds as a secretary in their farm department and in March, 1958, was named assistant farm director of that organization. He remained in that capacity until he joined the Houston organization as Assistant to the General Manager when the major league franchise was formed in November, 1960.

In April, 1961, Smith was named Farm Director and held that post for two years. In April, 1963, he was named Assistant to the President, acting primarily as liaison for the Houston Sports Association during construction of the Astrodome.

Following completion of the Astrodome, Smith was named Vice President and Director of Player Personnel in December, 1965. In 1972 he was named Vice President and Director of Operations for Astrodome-Astros Hall Stadium Corporation.

In November, 1973, Smith left the HSA to become Executive Vice President of the New York Yankees and served in that capacity until his return to Houston on August 7, 1975, when he was named General Manager of the Astros. The 45-year old Smith was appointed to his present position of President and General Manager of HSA on September 23, 1976.

At the 1977 Winter Meetings, Smith was elected Chairman of the Board of Directors of the Major League Scouting Bureau and was re-elected at the 1978 meetings. He also is a member of the General Managers' Advisory Committee to the Player Relations Committee.

Also in 1977, Smith headed a group of Astros executives, players and wives on a trip to Cuba for the purpose of conducting clinics for Cuban amateur players.

Prior to entering professional baseball, Smith worked in commercial radio as play-by-play announcer in all major sports, and had newspaper experience with The Sporting News and the Cape Cod Standard-Times in Hyannis, Mass.

He is married to the former Jonnie Adams and has two children; Valerie (21) and Randy (15). The Smiths reside in Houston.

John Mullen

Assistant to the General Manager

John Mullen, 54, began work for the Houston Astros in September of 1966. At the time, he was the assistant to Director of Player Personnel and Manager Grady Hatton. At mid-season, he became the Assistant to the General Manager, a job he now holds under Tal Smith.

Mullen's career in baseball began in January, 1947, as the Assistant Farm Director of the Boston Braves. He later was named Farm Director and held that position as the Braves moved to Milwaukee and then to Atlanta. In 1966, he left the Braves to take his position with the Astros.

Mullen served in the U.S. Coast Guard during World War II. He and his wife Claire have three children; Kathleen, Christopher and Richard.

Donald Davidson Administrative Assistant to the President

Donald Davidson, 53, joined the Astros on April 29, 1976, as Director of Publicity and Public Relations. In December, 1977, he assumed the duties of Administrative Assistant to the President, the position he now holds.

Davidson broke into baseball as a batboy for the Boston Braves and Red Sox in 1939. He moved to the Braves' Public Relations Department in 1948 and served with the club in Boston, Milwaukee and Atlanta until coming to the Astros in 1976.

In his forty years in baseball, Davidson has served as Publicity Director, Vice President, Traveling Secretary, Assistant to the President and Game Director of the Atlanta club.

Among the awards he has received, Don was the recipient of the New York Baseball Writers' prestigious Bill Slocum Award for "long and meritorious service to baseball." He received the award in 1971.

Don and his wife Patti reside in Houston. They have three children: Patrika, Margot and Deehan, plus two granddaughters and a grandson.

YEAR-BY-YEAR WITH HOUSTON

YEAR	WON	LOST	PCT.	POS.	GB	MANAGER
1962	64	96	.400	8	36½	Harry Craft
1963	66	96	.407	9	33	Harry Craft
1964	66	96	.407	9	27	Harry Craft (61-88 28½ GB) Luman Harris (5-8)
1965	65	97	.401	9	32	Luman Harris
1966	72	90	.444	8	23	Grady Hatton
1967	69	93	.426	9	32½	Grady Hatton
1968	72	90	.444	10	25	Grady Hatton (23-38 14 GB) Harry Walker (49-52)
1969*	81	81	.500	5*	12	Harry Walker
1970	79	83	.488	T-4	23	Harry Walker
1971	79	83	.488	T-4	11	Harry Walker
1972	84	69	.549	2	10½	Harry Walker (67-54 9 GB) Leo Durocher (16-15)
1973	82	80	.506	4	17	Leo Durocher
1974	81	81	.500	4	21	Preston Gomez
1975	64	97	.398	6	43½	Preston Gomez (47-80 38½ GB) Bill Virdon (17-17)
1976	80	82	.494	3	22	Bill Virdon
1977	81	81	.500	3	17	Bill Virdon
1978	74	88	.457	5	21	Bill Virdon
Totals	1259	1483	.459			

*Beginning of Divisional Play

HOUSTON MANAGERS ALL-TIME RECORDS

	WON	LOST	PCT.
Harry Craft	191	280	.405
Luman Harris	70	105	.400
Grady Hatton	164	221	.425
Harry Walker	355	353	.501
Leo Durocher	98	95	.507
Preston Gomez	128	161	.442
Bill Virdon	252	264	.488

CHRONOLOGICAL LIST OF ASTROS' PLAYER TRANSACTIONS (a)

From August 7, 1975 to January 1, 1979

Date	Club	Acquired	1978 Status	Disposed of	1978 Status
1. 10- 1-75	St. Louis	Mike Barlow	(see #6)	Mike Easler	AAA (Pirates)
2. 10-25-75	Cincinnati	Joaquin Andujar	Houston	Carlos Alfonso	Released—1977
				Luis Sanchez	no longer active
3. 12- 6-75	Detroit	Terry Humphrey	(see #6)	Jim Crawford	Detroit &
					AAA (Tigers)
		Mark Lemongello	(see #29)	Milt May	Detroit
		Gene Pentz	Houston/Released	Dave Roberts	Chicago Cubs
		Leon Roberts	(see #19)		
4. 12-11-75	San Diego	Larry Hardy	AAA (Astros)	Doug Rader	Released—1978
		Joe McIntosh	Disabled		
5. 12-12-75	Pittsburgh	Art Howe	Houston	Tommy Helms	Released—1978
6. 6- 6-76	California	Ed Herrmann	(see #23)	Mike Barlow	AAA (Angels)
					& California
				Terry Humphrey	California
7. 8- 3-76	San Diego	(waiver claim)	—	Tom Griffin	California/Released
8. 11-23-76	St. Louis	Bob Detherage	(see #15)	Jerry DaVanon	Released—1977
		Joe Ferguson	(see #26)	Larry Dierker	Released—1978
9. 12- 8-76	Chicago Cubs	Julio Gonzalez	Houston &	Greg Gross	Chicago Cubs
			AAA (Astros)		
10. 1-12-77	Seattle	cash &	Released—1977	Skip Jutze	Released—1978
		Alan Griffin			
11. 3-26-77	San Francisco	Willie Crawford	(see #13)	Rob Andrews	San Francisco
		Rob Sperring	AAA (Astros)	player to be	(see #18)
				named later	
12. 3-30-77	Seattle	Roy Thomas	(see #25)	Larry Milbourne	Seattle
13. 6-15-77	Oakland	Denny Walling	Houston	Willie Crawford	Released—1978
14. 6-15-77	NY Yankees	Mike Fischlin	AAA (Astros)	Cliff Johnson	NY Yankees
			& Houston		
		Randy Niemann	AA (Astros)		
		player to be			
		named later	(see #17)		
15. 9- 5-77	Los Angeles	Danny Walton	Released—1978	Bob Detherage	Released—1978
				Alex Taveras	AA & AAA (Dodgers)
16. 10-13-77	Chicago Cubs	Keith Drumright	AAA (Astros)	Ignacio Javier	AAA (Cubs)
			& Houston		
17. 11-23-77	NY Yankees	Dave Bergman	Houston	(see #14)	
18. 11-28-77	San Francisco	(see #11)	—	Arthur Gardner	AAA (Giants)
					& San Francisco
19. 12- 5-77	Seattle	Jimmy Sexton	Houston	Leon Roberts	Seattle
20. 12- 9-77	St. Louis	Randy Wiles	AAA (Astros)	Ron Selak	Released—1978
21. 3-29-78	Toronto	cash	—	Mike Stanton	AAA (Blue Jays)
22. 6- 8-78	St. Louis	Frank Riccelli	AAA (St. Louis &	Bob Coluccio	AAA (Astros)
			Astros) & Houston		& St. Louis
23. 6- 9-78	Montreal	cash	—	Ed Herrmann	Houston & Montreal/
					Released (Expos)
24. 6-15-78	San Francisco	cash	—	Roger Metzger	San Francisco
25. 6-23-78	St. Louis	(waiver claim)	—	Roy Thomas	AAA (Astros)
					& St. Louis
26. 7- 1-78	Los Angeles	Rafael Landestoy	AAA (Dodgers)	Joe Ferguson	Houston &
		player to be	& Houston		Los Angeles
		named later			
27. 9- 2-78	Philadelphia	Dan Warthen	AAA (Phillies)	Dan Larson	AAA (Astros)
			& Houston		& Philadelphia
28. 9-11-78	Los Angeles	Jeff Leonard	AAA (Dodgers)	(see #26)	—
			& Houston		
29. 11-27-78	Toronto	Alan Ashby	Toronto	Mark Lemongello	Houston
				Joe Cannon	AAA (Astros)
					& Houston
				Pedro Hernandez	Rookie &
					A (Astros)
30. 12- 5-78	Toronto	Gary Woods	AAA (Blue Jays)	Don Pisker	AAA (Astros)
			& Toronto		
31. 12- 8-78	Seattle	Craig Reynolds	Seattle	Floyd Bannister	Houston

(a) Trade, purchase or sale of contracts (does not include players signed by Houston organization as free agents or advanced to Major League club from minor league system)

ASTROS' 1978 MAJOR LEAGUE TRANSACTIONS

APRIL NONE

MAY

- 13 Gene Pentz placed on 21-day disabled list. Oscar Zamora recalled from Charleston.
- 20 Wilbur Howard placed on 15-day disabled list.
- 21 Reggie Baldwin acquired outright from Columbus.

JUNE

- 9 Ed Herrmann assigned to Montreal on a waiver claim. Oscar Zamora optioned to Charleston. Wilbur Howard reinstated to active roster from DL. Rick Williams acquired outright from Charleston.
- 15 ROGER METZGER TRADED TO SAN FRANCISCO FOR A PLAYER AND/OR CASH. Mike Fischlin recalled from Charleston.
- 17 Cesar Cedeno placed on 21-day disabled list.
- 19 Bo McLaughlin recalled from Charleston.
- 23 ROY THOMAS CLAIMED ON WAIVERS BY ST. LOUIS.
- 29 Luis Pujols recalled from Charleston.

JULY

- 1 JOE FERGUSON TRADED TO LOS ANGELES FOR TWO PLAYERS TO BE NAMED LATER.
- 7 RAFAEL LANDESTOY ACQUIRED FROM LOS ANGELES (first of two players in Ferguson trade).
- 8 Joaquin Andujar placed on 21-day disabled list.
- 10 Julio Gonzalez optioned to Charleston.
- 13 Oscar Zamora recalled from Charleston.
- 19 Reggie Baldwin optioned to Columbus. Vern Ruhle acquired outright from Charleston. Bruce Bochy acquired outright from Columbus.
- 23 Oscar Zamora assigned outright to Charleston. Julio Gonzalez recalled from Charleston.
- 28 Bo McLaughlin optioned to Charleston.
- 30 Joaquin Andujar reinstated to active roster from DL.

AUGUST

- 14 Mike Fischlin optioned to Charleston.
- 17 Reggie Baldwin recalled from Columbus.
- 29 Mike Fischlin and Joe Cannon recalled from Charleston (to report after International League playoffs). Craig Cacek, Bo McLaughlin, Don Pisker and Rob Sperring recalled from Charleston (not to report until spring training).

SEPTEMBER

- 1 Keith Drumright acquired outright from Charleston. Mike Mendoza recalled from Charleston (not to report until spring training).
- 2 DAN WARTHEN ACQUIRED OUTRIGHT FROM OKLAHOMA CITY (PHILLIES) FOR MINOR LEAGUER DAN LARSON.
- 10 Jim Obradovich and Frank Riccelli acquired outright from Charleston.
- 11 JEFF LEONARD ACQUIRED OUTRIGHT FROM LOS ANGELES (COMPLETING FERGUSON TRADE). Gene Pentz placed on waivers for purpose of giving his unconditional release.
- 14 Randy Niemann acquired outright from Columbus (not to report until spring training).
- 15 Craig Cacek assigned outright to Charleston.
- 20 Rob Sperring assigned outright to Charleston. Gary Wilson acquired outright from Charleston, Gordon Pladson and Tom Wiedenbauer acquired outright from Columbus (not to report until spring training).
- 29 Cesar Cedeno reinstated to active roster from DL.

OCTOBER

- 23 Rick Williams assigned outright to Charleston. Pedro Hernandez acquired outright from Sarasota.

NOVEMBER

- 27 ALAN ASHBY ACQUIRED FROM TORONTO BLUE JAYS IN EXCHANGE FOR MARK LEMONGELLO, JOE CANNON, AND PEDRO HERNANDEZ.

DECEMBER

- 5 GARY WOODS ACQUIRED FROM TORONTO BLUE JAYS (assigned to Charleston) IN EXCHANGE FOR DON PISKER.
- 8 CRAIG REYNOLDS ACQUIRED FROM SEATTLE MARINERS IN EXCHANGE FOR FLOYD BANNISTER.

**Note capital letters indicate trade.

THE MANAGER

7—VIRDON, William Charles (Bill) MGR

Age 47, turns 48 on June 9 ... Born Hazel Park, Michigan, 6/9/31 ... Home—Springfield, Mo. ... B-L, T-R ... 6-0, 185 ... Played outfield ... Married; Shirley, three children; Deborah Ann Miller, Linda Sue Cottey and Lisa Lee Virdon.

In 1978, three major league managers picked up their 500th career managerial wins. One of those managers was the Astros' Bill Virdon, who accomplished the feat on May 19, when Houston defeated Atlanta, 6-0.

In his seven major league seasons, Bill has managed clubs to 557 wins against just 520 losses. His total wins rank sixth among all active major league managers and his winning percentage (.517) and wins per season (80) also rank sixth among all managers with 500 or more career victories.

Following a stellar playing career with the St. Louis Cardinals and Pittsburgh Pirates, Bill began managing in 1966 with the New York Mets' Williamsport, Pa., farm club. In his first season at the helm, Bill led his Eastern League entries to a 68-72 record. He closed out his minor league managerial career the following year with Jacksonville and became a coach for the Pirates in 1968.

Virdon served as a coach under Danny Murtaugh until 1972, when he succeeded Murtaugh as manager of the Pirates. In his first year at the helm, Bill led the Bucs to the Eastern Division title, losing the League Championship Series to Cincinnati in the final inning of the fifth LCS contest.

He led the Pirates in the race again in 1973, but was replaced by Murtaugh on September 7 with the club three games out of first. The Mets subsequently edged out the Pirates by two and one-half games for the Eastern title.

Bill became manager of the New York Yankees in 1974 and once again was an instant success. He led the Yanks to their best finish in 10 years as they contended for the American League Eastern Division crown. For his efforts, Virdon was named AL Manager of the Year by The Sporting News.

After giving him a new two-year contract prior to the 1975 season, the Yankees let Virdon go on August 2, 1975, and replaced him with Billy Martin.

Just 17 days later, on August 19, 1975, Astros' President and General Manager Tal Smith named Bill to replace Preston Gomez as the Houston skipper. Playing well below .500 to that point, the Astros rallied to a 17-17 finish under Virdon.

In 1976, Virdon led the Astros to an 80-82 third place finish and finished a close second behind Philadelphia's Danny Ozark in the voting for Manager of the Year.

In 1977, the Astros repeated the solid third place finish with an 81-81 mark.

In 1978, the Astros finished 50-31 at home but could manage only a 74-88 overall record. The 74 wins gave Virdon 252 with the Astros and moved him to the 500 career win plateau, a very exclusive baseball fraternity.



RECORD AS A PLAYER										
YEAR	CLUB	LEAGUE	G	AB	H	2B	3B	HR	RBI	AVG.
1950	Independence	K-O-M	119	501	134	29	10	6	76	.267
1950	Kansas City	A.A.	14	41	14	3	0	0	3	.341
1951	Norfolk	Pied.	118	486	139	20	4	6	48	.286
1952	Binghampton	East.	122	467	122	13	9	2	46	.261
1953	Kansas City	A.A.	95	330	77	13	4	6	25	.233
1953	Birmingham	South.	42	164	52	7	2	3	14	.317
1954	Rochester	Int.	139	505	168	28	11	22	98	.333
1955	St. Louis	Nat.	144	534	150	18	6	17	68	.281
1956	St. Louis-Pitt.	Nat.	157	580	185	23	10	10	46	.319
1957	Pittsburgh	Nat.	144	604	161	24	11	9	46	.267
1958	Pittsburgh	Nat.	144	519	132	24	2	8	41	.254
1959	Pittsburgh	Nat.	120	409	108	16	9	8	40	.264
1960	Pittsburgh	Nat.	146	599	156	22	8	9	58	.260
1961	Pittsburgh	Nat.	156	663	164	27	10	6	47	.247
1962	Pittsburgh	Nat.	142	554	149	22	6	8	53	.269
1963	Pittsburgh	Nat.	145	473	115	11	3	3	27	.243
1964	Pittsburgh	Nat.	135	481	134	22	5	4	24	.279
1965	Pittsburgh	Nat.	144	561	141	28	11	8	50	.251
1966	Williamsport	East.	5	7	0	0	0	0	0	.000
1967		(Did Not Play)								
1968	Pittsburgh	Nat.	6	3	1	0	0	1	2	.333

MAJOR LEAGUE TOTALS										
			G	AB	H	2B	3B	HR	RBI	AVG.
12 Years			1583	5980	1596	237	81	91	502	.267

WORLD SERIES RECORD										
			G	AB	H	2B	3B	HR	RBI	AVG.
1960	Pittsburgh		7	29	7	3	0	0	5	.241

VIRDON (Continued)

RECORD AS A MANAGER					WON	LOST
YEAR	CLUB	LEAGUE	POSITION			
1966	Williamsport	East.	Fourth		68	72
1967	Jacksonville	Int.	Fifth		66	73
1972	Pittsburgh	Nat.	First (E)		96	59
1973	Pittsburgh*	Nat.	Third (E)		67	69
1974	New York	Amer.	Second (E)		89	73
1975	New York**	Amer.	Third (E)		53	51
1975	Houston***	Nat.	Sixth (W)		17	17
1976	Houston	Nat.	Third (W)		80	82
1977	Houston	Nat.	Third (W)		81	81
1978	Houston	Nat.	Fifth (W)		74	88

* Replaced by Danny Murtaugh on Sept. 7.

** Replaced by Billy Martin on August 2.

*** Replaced Preston Gomez on August 19.

CHAMPIONSHIP SERIES RECORD					WON	LOST
YEAR	CLUB	LEAGUE				
1972	Pittsburgh	Nat.			2	3

THE COACHES

4—JONES, Grover Jr. (Deacon) Coach

Age 44, turns 45 on April 18...Born White Plains, N.Y., 4/18/34...Home—Houston, Tex...B-L, T-R...Played first base...5-11, 192...Married; Virginia, one child; Monica.

Winner of Silver Bat for top minor league average (.409 for Dubuque of Midwest League) in 1956...Inducted into Baseball Hall of Fame in Cooperstown as nation's top American Legion player in 1951. Deacon was the first black man inducted into any part of the Hall of Fame...Played first major league game in 1962 with White Sox...Joined Astros as coach in November, 1975...Has served as scout, instructor and minor league manager...Graduate of White Plains High, White Plains, N.Y. and Ithaca College, Ithaca, N.Y.... Was honored by hometown at Shea Stadium in 1977.



RECORD AS A PLAYER

YEAR	CLUB	LEAGUE	G	GB	H	2B	3B	HB	RBI	AVG.
1955	Waterloo	Three "I"	78	267	85	11	7	9	58	.318
1956	Waterloo	Three "I"	18	50	12	1	2	0	6	.240
	Dubuque	Midwest	100	330	135	26	6	26	120	.409
1957	Colorado Springs	Western				(Military)				
1958	Colorado Springs	Western				(Military)				
1959	Lincoln	Three "I"	122	428	128	31	2	11	76	.299
1960	San Diego	Pacific C.	80	144	43	2	4	5	27	.299
1961	Charleston	South Atl.	132	427	121	19	5	13	78	.283
1962	Savannah	South Atl.	136	499	159	30	5	26	101	.319
	Chicago	Amer.	18	28	9	2	0	0	8	.321
1963	Chicago	Amer.	17	16	3	0	1	1	2	.188
	Indianapolis	Int.	97	338	116	17	3	19	73	.343
1964	Indianapolis	Pacific C.	49	163	31	7	2	3	17	.190
	Lynchburg	Southern	86	311	93	20	2	11	62	.299
1965	Sarasota	Fla. St.	100	320	104	15	8	8	59	.325
1966	Appleton	Midwest	114	368	130	36	4	18	80	.353
	Chicago	Amer.	5	5	2	0	0	0	0	.400
1967	Appleton	Midwest	45	122	43	13	0	5	20	.352

MAJOR LEAGUE TOTALS

	G	AB	H	2B	3B	HR	RBI	AVG.
3 years	40	49	14	2	1	1	10	.286

RECORD AS A MANAGER

YEAR	CLUB	LEAGUE	POSITION	WON	LOST
1973	Appleton	Midwest	Fifth (N)	17	41

5—LILLIS, Robert Perry (Bob)

Coach

Age 48, turns 49 on June 2...Born Altadena, Calif., 6/2/30...Home—Houston, Tex....B-R, T-R...5-11, 160...Played infield...Married; Jeanne, two children; Jan and Joy.

Broke into professional baseball with Pueblo of the Western League in 1951...Played first year in major leagues with Los Angeles in 1958...Traded to the St. Louis Cardinals in 1961...Selected by Houston Colts in the Oct., 1961 major league expansion draft...Joined Astros' farm department as scout and special instructor in 1968...Named to Astros coaching staff in April, 1973...Attended University of Southern California.



RECORD AS A PLAYER										
YEAR	CLUB	LEAGUE	G	AB	H	2B	3B	HR	RBI	AVG.
1951	Pueblo	Western	37	141	34	6	3	0	13	.241
1951	Newport News	Pied.	39	136	28	1	3	0	12	.206
1952	Elmira	Eastern	76	310	63	15	1	0	18	.203
1953	Newport News	Pied.	129	523	152	25	6	3	60	.291
1954		(In Military Service)								
1955		(In Military Service)								
1956	St. Paul	A.A.	144	590	157	33	2	18	65	.266
1957	St. Paul	A.A.	154	598	155	26	5	2	49	.259
1958	St. Paul	A.A.	67	272	74	10	6	3	17	.272
1958	Los Angeles	N.L.	20	69	27	3	1	1	5	.391
1959	Los Angeles	N.L.	30	48	11	2	0	0	2	.229
1959	Spokane	P.C.L.	103	406	116	17	6	3	27	.286
1960	Los Angeles	N.L.	48	60	16	4	0	0	6	.267
1961	L.A.-St. Louis	N.L.	105	239	51	4	0	0	22	.213
1962	Houston	N.L.	129	457	114	12	4	1	30	.249
1963	Houston	N.L.	147	469	93	13	1	1	19	.198
1964	Houston	N.L.	109	332	89	11	2	0	17	.268
1965	Houston	N.L.	124	408	90	12	1	0	20	.221
1966	Houston	N.L.	68	164	38	6	0	0	11	.232
1967	Houston	N.L.	37	82	20	1	0	0	5	.244

MAJOR LEAGUE TOTALS

	G	AB	H	2B	3B	HR	RBI	AVG.
10 years	817	2328	549	68	9	3	137	.236

3—PACHECO, Antonio A. (Tony)

Coach

Age 51, turns 52 on Aug. 9...Born Havana, Cuba, 8/9/27...Home—Miami, Fla....B-R, T-R...6-0, 175...Played infield...Married; Maria, three children; Jim, Gasty and Lily.

Broke into professional baseball in 1949...Took first managerial job with Havana in 1958...Joined the Houston Astros as a scout in 1961...Managed Bismark in 1966, Covington in 1967, Cocoa in 1968, Peninsula in 1969, Cocoa in 1970 and 1971 and Oklahoma City in 1972...Coached for the Cleveland Indians in 1974...Named Astros' coach in November, 1975.



RECORD AS A PLAYER										
YEAR	CLUB	LEAGUE	G	AB	H	2B	3B	HR	RBI	AVG.
1949	Newport	Mt. St.	96	374	92	11	2	1	41	.246
1950	Newport	Mt. St.	115	450	132	26	5	3	51	.293
1951	Havana	Fla. Int.	121	373	80	14	1	3	34	.214
1952	Havana	Fla. Int.	153	527	121	19	3	1	31	.230
1953	Charleston	A.A.	7	—	—	—	—	—	—	.222
	Havana	Fla. Int.	87	262	61	11	1	1	39	.233
1954	Havana	Int.	10	28	7	1	0	0	3	.250
	W. Palm Beach	Fla. Int.	55	194	49	7	3	1	17	.253
	Cocoa	Fla. St.	33	121	28	2	1	0	12	.231
1955	Colombia	St. Atl.	12	36	4	0	0	0	3	.111
	HP-Thomas	Carol.	53	164	33	6	1	0	6	.201
1956	Savannah	S. Atl.	53	130	22	3	0	3	9	.169
	Monterrey	Mex.	45	148	33	9	0	1	17	.223

YEAR	CLUB	LEAGUE	POSITION	WON	LOST
1958	Havana	Int.	Eighth	65	88
1959	Palatka	Fla. St.	Fourth	36	33
	(2nd half)		Third	38	29
1966	Bis-Mandan	North	Sixth	16	47
1967	Covington	Appal.	Fourth	29	35
1968	Cocoa	Fla. St.	Second	74	65
	Covington	Appal.	Second	39	32
1969	Peninsula	Carol.	Fourth	67	76
1970	Cocoa	Fla. St.	Sixth	43	84
1971	Cocoa	Fla. St.	Second	80	59
1972	Okl. City	A.A.	Fourth	57	83
1973	San Antonio	Texas	First	82	57
1975	Sarasota	Gulf C'st.	Sixth	19	33

2—WRIGHT, Melvin James, Jr. (Mel) Coach

Age 50, turns 51 on May 11...Born Manila, Ark., 5/11/28...Home—Almyra, Ark....B-R, T-R...6-4, 220...Was a pitcher...Married; Joan, three children; Dale, Steve and Kathy.

Broke into professional baseball with McAlester in 1950...Traded to the St. Louis Cardinals along with Bill Virdon and Emil Tellinger for Enos Slaughter in 1954...Coached for Salt Lake City of the Pacific Coast League in 1962...Coached for the Chicago Cubs through 1964...Scouted for the Cubs through 1967...Coached for Tacoma in the PCL in 1968...Scouted for the Cubs through 1972...Named to Pirates' coaching staff in 1973...Coached for Yankees in 1974 and 1975...Joined Astros in Nov. 1975.



RECORD AS A PLAYER

YEAR	CLUB	LEAGUE	G	IP	W-L	H	SO	BB	ERA
1950	McAlester	Soo. St.	32	215	15-7	180	130	59	3.01
1951	Joplin	W.A.	28	206	15-9	199	123	77	3.67
1952	Binghampton	East.	57	121	7-8	95	45	56	1.93
1953	Kansas City	A.A.	47	111	13-2	112	73	35	3.24
1954	St. Louis	Nat.	9	10	0-0	16	4	11	10.80
1954	Columbus	A.A.	28	117	8-8	138	45	21	3.77
1955	Rochester	Int.	20	49	1-1	47	15	19	2.76
1955	St. Louis	Nat.	29	36	2-2	44	18	9	6.25
1956	Omaha	A.A.	15	24	0-0	28	10	7	3.38
1956	Rochester	Int.	27	56	5-6	53	33	16	3.05
1957	Rochester	Int.	46	62	5-5	58	27	22	2.90
1958	Rochester	Int.	41	47	1-2	49	31	12	2.87
1959	Houston-Dallas	A.A.	71	117	10-8	113	74	35	2.46
1960	Dallas-Ft. Worth	A.A.	54	70	5-4	61	60	6	2.31
1960	Chicago	Nat.	9	16	0-1	17	8	3	5.06
1961	Chicago	Nat.	11	21	0-1	42	6	4	10.71
1961	Houston	A.A.	6	12	0-1	11	8	1	3.75

MAJOR LEAGUE TOTALS

	G	IP	W-L	H	SO	BB	ERA
4 Years	58	83	2-4	119	36	27	7.70

RECORD AS A MANAGER

YEAR	CLUB	LEAGUE	POSITION	WON	LOST
1969	Huron	North.	Fourth	31	39

ALL-TIME HOUSTON COACHES

Adair, Jimmy—1962-63-64-65	Jones, Deacon—1976-77-78
Bragan, Bobby—1962	Jones, Gordon—1966-67
Busby, Jim—1962-63-64-65-66-67	Kittle, Hub—1971-72-73-74-75
Courtney, Clint—1965	Lillis, Bob—1973-74-75-76-77-78
Craig, Roger—1974-75	McGaha, Mel—1968-69-70
Deal, Cot—1962-63-64	Owens, Jim—1967-68-69-70-71-72
Fox, Nellie—1965-66-67	Parker, Salty—1968-69-70-71-72
Gomez, Preston—1973-74	Pacheco, Tony—1976-77-78
Hancken, Buddy—1968-69-70-71-72	Pollet, Howie—1965
Harris, Luman—1962-63-64	Williams, Jim—1975
Hatton, Grady—1973-74	Wright, Mel—1976-77-78
Heist, Al—1966-67	

PRONUNCIATION GUIDE

Joaquin Andujar—Wah-keen An-doo-hahr
Frank Riccelli—Rih-sell-ee
Bruce Bochy—Bo-chee
Enos Cabell—Kah-bell
Luis Pujols—Poo-holz
Joe Niekro—Knee-crow
Tom Wiedenbauer—Weed-in-bauer
Terry Puhl—Pool

THE PLAYERS

22—ALOU, Jesus Rojas (Chucho)

OF

Age 36, turns 37 on March 24 ... Born Haina, Dom. Rep., 3/24/42 ... Home—Haina, D.R. ... B-R, T-R ... 6-2, 206 ... Married; Angela, four children; Angela, Jesus Jr., Maria and Claudia.

How Obtained: Signed as a free agent, 11/25/77, while playing in the Dominican Republic.

Major League Status: 13 years, 9 days.

1978 Season: Led Astros with .364 pinch-hitting average (16-for-44) and was second in pinch-hit runs batted in (10) to Denny Walling (11) ... Also led all Astros in batting average (.324) ... Was below .300 for only eight games in 1978 ... Went 4-for-4 on 6/12 vs. Pittsburgh as starting leftfielder, raising average to .343 ... Teamed with Bruce Bochy to hit back-to-back homers on 9/11 @ Cinn. It was his only pinch-hit home run of the year.

Career: Signed by Astros in 1977 after batting over .300 in the Dominican Winter League ... Had last played for the Mets before being released in March, 1976 ... Played with Astros from 1969 to 1973 ... Sold to Oakland in 1973. Longest career hitting streak—12 games in 1969.

Personal/Misc.: Brother of Matty and Felipe Alou, former major leaguers ... The three brothers once played in the same outfield for the San Francisco Giants in a game against the Mets, 9/19/63, in the Polo Grounds.



ALOU VS. NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.312	394	123	6	44
Montreal	.267	165	44	3	19
New York	.300	400	120	3	36
Philadelphia	.304	359	109	2	36
Pittsburgh	.249	405	101	4	32
St. Louis	.276	399	110	4	30
Atlanta	.238	390	93	1	27
Cincinnati	.267	446	119	4	40
Houston	.301	276	83	0	20
Los Angeles	.260	415	108	1	29
San Diego	.324	176	57	0	10
San Francisco	.309	149	46	1	18

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1959 Hastings	.667	4	3	1	2	0	0	0	0	0	0	0
1960 Artesia	.352	126	534	102	188	33	6	11	91	16	38	18
1960 Eugene	.350	6	20	2	7	0	1	0	2	1	0	1
1961 Eugene	.336	138	518	82	174	31	5	10	71	21	19	16
1962 El Paso	.343	118	505	97	173	35	10	11	68	26	20	24
1963 Tacoma	.324	158	648	102	210	26	7	11	69	20	47	18
1963 San Francisco	.250	16	24	3	6	1	0	0	5	0	3	0
1964 San Francisco	.274	115	376	42	103	11	0	3	28	13	35	6
1965 San Francisco	.298	143	543	76	162	19	4	9	52	13	40	8
1966 San Francisco	.259	110	370	41	96	13	1	1	20	9	22	5
1966 Phoenix	.293	10	41	3	12	1	1	0	0	1	4	0
1967 San Francisco	.292	129	510	55	149	15	4	5	30	14	39	1
1968 San Francisco	.263	120	419	26	110	15	4	0	39	9	23	1
1969 Houston	.248	115	452	49	112	19	4	5	34	15	30	4
1970 Houston	.306	117	458	59	140	27	3	1	44	21	15	3
1971 Houston	.279	122	433	41	121	21	4	2	40	13	17	2
1972 Houston	.312	52	93	8	29	4	1	0	11	7	5	0
1973 Houston	.236	28	55	7	13	2	0	1	8	1	6	0
1973 Oakland	.306	36	108	10	33	3	0	1	11	2	6	0
1974 Oakland	.268	96	220	13	59	8	0	2	15	5	9	0
1975 New York (N)	.265	62	102	8	27	3	0	0	11	4	5	0
1978 Houston	.324	77	139	7	45	5	1	2	19	6	5	0
ML TOTALS	.280	1338	4302	445	1205	166	26	32	367	132	260	30

The Astros have paid tribute to two former players by retiring their uniform numbers. They are: 32—worn by pitcher Jim Umbricht who died of cancer while a member of the Colt .45's in 1964; 40—worn by pitcher Don Wilson who died a tragic death in 1975.

47—ANDUJAR, Joaquin (Joaquin) RHP

Age 26, turns 27 on December 21 ... Born San Pedro de Macoris, D.R., 12/21/52 ... Home—San Pedro de Macoris, D.R. ... B-S, T-R ...6-0, 180 ...Married; Walkiria.

How Obtained: Acquired from Cincinnati, 10/27/75, for Carlos Alfonso and Luis Sanchez.

Major League Status: 3 years.

1978 Season: Hampered during first half of season by recurring injuries, including pulled abdominal and hamstring muscles ... Won three straight decisions and had three no decisions from 4/29 thru 5/17. The wins were an eight-inning, six-hit performance @ San Diego on 4/19; a three-hitter vs. Montreal on 4/29 and a five inning start vs. Phila. on 5/17 ... Was placed on the 21-day disabled list on 7/8 with hamstring pull. Was reactivated on 7/30 and picked up relief win that day vs. NY ... Joaquin made 21 appearances, all in relief, following the disablement.

Career: Selected to 1977 All-Star team but did not play due to injury ... Made first major league start, 4/17/76, vs. SD ... Won five games during rookie season (1976) by one run ... Was National League Player of the Week, 6/6/76. Longest winning streak—6 games (1977).

Personal/Misc.: Graduated Jose Perez High, San Pedro de Macoris, D.R., where he played baseball, basketball and volleyball ... Enjoys music and basketball.



ANDUJAR VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	3-3	10	7	1	41.0	38	24	21	28	15	4.61
Montreal	3-0	4	3	2	25.0	16	1	1	9	13	0.36
New York	3-2	7	6	2	36.1	30	17	13	13	16	3.25
Philadelphia	2-1	3	3	0	18.0	22	8	8	7	10	4.00
Pittsburgh	0-3	10	4	0	29.0	31	18	17	18	10	5.28
St. Louis	0-1	3	2	0	16.2	13	7	6	6	6	3.18
Atlanta	2-3	12	8	2	58.1	45	28	23	19	29	3.57
Cincinnati	5-4	14	10	5	74.1	69	26	24	29	24	2.92
Los Angeles	4-2	8	8	1	56.0	47	31	27	29	16	4.34
San Diego	2-4	10	9	2	59.0	59	29	28	32	33	4.27
San Francisco	1-2	8	3	0	28.0	30	10	8	13	11	2.57

MAJOR LEAGUE BATTING RECORD	AVG.	AB	H	2B	3B	HR	RBI
	.158	133	21	4	0	0	6

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1970	Bradenton	3-5	4.17	12	12	4	82	86	58	38	56	88
1971	Sioux Falls	4-7	6.36	19	7	4	75	61	67	53	63	82
1972	Three Rivers	7-6	3.54	22	19	6	112	87	59	44	73	101
1973	Indianapolis	2-5	8.93	11	9	0	40	42	45	40	45	23
1973	Three Rivers	5-2	1.93	10	10	4	59	38	29	13	38	39
1974	Indianapolis	8-8	3.58	33	17	2	111	85	62	44	93	92
1975	Three Rivers	4-8	4.06	18	11	1	62	57	36	28	40	44
1976	Houston	9-10	3.61	28	25	9	172	163	74	69	75	59
1977	Houston	11-8	3.68	26	25	4	159	149	80	65	64	69
1978	Houston	5-7	3.41	35	13	2	111	88	45	42	58	55
ML TOTALS		25-25	3.58	89	63	15	442	400	199	176	197	183

14—ASHBY, Alan Dean (Alan) C

Age 27, turns 28 on July 8 ... Born Long Beach, California, 7/8/51 ... Home—Mission Viejo, Calif. ... B-S, T-R ...6-2, 190 ...Married; Gayle, three children; Kristin, Jared and Kelly Jane.

How Obtained: Acquired from the Toronto Blue Jays, 11/27/78, in exchange for Mark Lemongello, Joe Cannon and Pedro Hernandez.

Major League Status: 4 years, 164 days.

1978 Season: Batted close to .300 for the Blue Jays during spring training but was used as a backup for Rick Cerone the first half of the season ... Began playing regularly following the All-Star break and wound up batting .261 with nine homers; both career highs ... A natural lefthand hitter, he hit .275 with eight home runs from the left side ... Came to the Astros during the off-season.

Career: Ranked among the American League leaders in double plays and assists in 1977 as Blue Jays threw out 53% of runners attempting to steal ... Made major league debut with Cleveland in 1973 and spent entire 1975 season with Indians ... Was Cleveland's number 3 selection in June, 1969, free agent draft ... Was stellar defensive catcher throughout minor league career ... Went to Blue Jays' in their first trade, 11/5/76, for pitcher Al Fitzmorris at the conclusion of the AL expansion draft.



ASHBY (Continued)

Personal/Misc.: Graduated from San Pedro High School, San Pedro, Calif ... Attended Harbour Junior College ... Was a high school teammate of Phillies' centerfielder Garry Maddox ... Witnessed two Sandy Koufax no-hitters at Dodger Stadium ... Enjoys golf, tennis, basketball and music.

No previous NL Batting Statistics

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1969 Sarasota	.239	48	117	10	28	3	1	0	14	21	15	1
1970 Reno	.190	40	121	15	23	5	1	3	18	18	31	1
1971 Jacksonville	.200	13	35	4	7	2	0	0	8	7	7	1
1971 Reno	.293	77	239	52	70	14	1	18	60	60	51	1
1972 Portland	.223	95	291	33	65	9	2	9	28	36	51	0
1973 Ok. City-Evans.	.226	41	124	20	28	8	0	3	16	14	27	0
1973 Cleveland	.172	11	29	4	5	1	0	1	3	2	11	0
1974 Oklahoma City	.284	66	211	26	60	19	1	1	24	34	39	1
1974 Cleveland	.143	10	7	1	1	0	0	0	0	1	2	0
1975 Cleveland	.224	90	254	32	57	10	1	5	32	30	41	3
1976 Cleveland	.239	89	247	26	59	5	1	4	32	27	49	0
1977 Toronto	.210	124	396	25	83	16	3	2	29	50	51	0
1978 Toronto	.261	81	264	27	69	15	0	9	29	28	32	1
ML TOTALS	.229	405	1197	115	274	47	5	21	135	138	186	4

6—BALDWIN, Reginald Conrad (Reggie) C

Age 24, turns 25 on August 19 ... Born River Rouge, Mich., 8/19/54 ... Home—Detroit, Mich ... B-R, T-R ... 6-1, 195 ... Married; Latanya.

How Obtained: Signed as third round selection in June, 1976 Free Agent Draft.

Major League Status: 105 days.

1978 Season: Opened season at Columbus where he batted .323 in 36 games ... Contract purchased by Astros on 5/21 ... Went 2-for-4 with an RBI vs. St. L. on 6/3, collecting first major league hit, double and run batted in ... Involved in home plate collision with Bucs' Dave Parker in fifth inning of 6/12 game and is forced to leave game. Returns next night and hits first major league home run, off Pirates' Jim Bibby ... Continued shoulder problem limited Reggie to mostly pinch-hit duty ... Was optioned to Columbus on 7/19 and recalled 8/17 ... Was 5-for-18 (.278) as an Astro pinch-hitter. Underwent shoulder surgery on 11/14.

Career: Batted .286 in 63 games with Covington in 1976 and was selected to the Rookie All-Star team ... Hit .282 in 101 games at Columbus in 1977 ... Moved up to Charleston in '77 and batted .364 in the final three games of the season ... Hit game-winning solo home run in the 12th inning of Game No. 1 of the playoff finals vs. Pawtucket. Longest career hitting streak—6 games in 1978.

Personal/Misc.: Reggie is an ordained minister and has served as associate minister of Mayflower Baptist Church in Detroit ... Played baseball and football at Southwestern High in Detroit, where he was All-City and All-State ... Graduated from Grambling State University where he was all-SWAC and All-American in baseball ... Enjoys reading, music and singing.



BALDWIN VS. NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.200	10	2	0	1
Montreal	1.000	1	1	0	1
Pittsburgh	.143	7	1	1	1
St. Louis	.273	22	6	0	5
Atlanta	1.000	1	1	0	1
Cincinnati	.500	2	1	0	0
Los Angeles	.333	6	2	0	0
San Diego	.250	8	2	0	0
San Francisco	.100	10	1	0	2

Has not faced New York and Philadelphia.

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1976 Covington	.286	63	245	37	70	8	2	10	54	8	17	2
1977 Columbus	.282	101	348	42	98	19	5	6	48	5	25	7
1978 Columbus	.323	36	133	13	43	11	1	1	23	0	9	2
1978 Houston	.254	38	67	5	17	5	0	1	11	3	3	0
ML TOTALS	.254	38	67	5	17	5	0	1	11	3	3	0

16—BERGMAN, David Bruce (Dave) 1B-OF

Age 25, turns 26 on June 6 ... Born Evanston, Ill., 6/6/53 ... Home—Park Ridge, Ill. ... B-L, T-L ... 6-2, 180 ... Married; Cathryn.

How Obtained: Acquired, 11/23/77, as "player to be named later" in 6/15/77 trade that sent Cliff Johnson to the Yankees in exchange for Mike Fischlin and Randy Niemann.

Major League Status: 1 year, 60 days.

1978 Season: Spent almost first 4 months of season as pinch-hitter and late-inning replacement at first base ... Broke 0-for-16 start with first major league hit, off Mets' Nino Espinosa, on 5/28 ... Began playing regularly in left field following the All-Star break ... Hit in four straight games from 7/17 thru 7/20 ... Batting .151 on 7/14, Dave raised his average to .255 on 8/27, batting .309 (30-for-97) over that stretch ... Moved to first base—his natural position—on 8/17, but pulled a groin muscle and was out until 8/26 ... Alternated with Bob Watson at first for the remainder of the year.

Career: Hit .312 with 16 home runs, 59 runs batted in and 29 stolen bases for Syracuse (Yankees AAA) in 1977 ... NY-Penn League Player of the Year in 1974, when he led the league with a .348 average ... Player of the Year in the Eastern League in 1975, when he led the league with a .311 average ... Yankees' No. 2 selection in June, 1974 free agent draft. Longest career hitting streak—5 games in 1978.

Personal/Misc.: Was a four-sport star at Maine High in Park Ridge, Ill. ... Was drafted by the Chicago Cubs out of high school but went on to Illinois State U, Normal, Ill., where he graduated as an All-American in 1974 ... Works in marketing during the off-season ... Enjoys reading, fishing and skiing.



BERGMAN VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.154	13	2	0	0
Montreal	.125	8	1	0	0
New York	.414	29	12	0	1
Philadelphia	.263	19	5	0	1
Pittsburgh	.333	18	6	0	4
St. Louis	.111	18	2	0	0
Atlanta	.333	24	8	0	1
Cincinnati	.143	14	2	0	1
Los Angeles	.125	8	1	0	1
San Diego	.083	12	1	0	0
San Francisco	.130	23	3	0	3

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1974	Oneonta	.348	56	201	60	70	6	7	10	48	62	29	20
1975	West Haven	.311	124	399	76	124	15	6	11	60	83	60	15
1975	New York	.000	7	17	0	0	0	0	0	0	2	4	0
1976	Syracuse	.295	134	455	68	134	23	2	7	65	77	73	17
1977	Syracuse	.312	132	468	88	146	29	4	16	59	90	59	29
1977	New York	.250	5	4	1	1	0	0	0	1	0	0	0
1978	Houston	.231	104	186	15	43	5	1	0	12	39	32	2
ML TOTALS		.213	116	207	16	44	5	1	0	13	41	36	2

13—BOCHY, Bruce Douglas (Bruce) C

Age 23, turns 24 on April 16 ... Born Landes de Boussac, France, 4/16/55 ... Home—Melbourne, Fla ... B-R, T-R ... 6-4, 210 ... Married; Kimberly.

How Obtained: Signed as first round selection in secondary phase of June, 1975 free agent draft.

Major League Status: 75 days.

1978 Season: Opened season as backup catcher at Columbus ... Became No. 1 catcher at Columbus on 5/21 when Reggie Baldwin moved up to Astros ... Batted .271 with six homers and 32 runs batted in before having contract purchased by Astros on 7/19 when Baldwin was optioned back to Columbus with injured shoulder ... Went 2-for-3 in first major league game at N.Y. on 7/19 ... Hit in first three games and six of first seven ... Homered in second major league game, off Mets' Kevin Kobel on 7/20 @ N.Y. ... Had one hitting streak of five games, one of four games and five three-game streaks ... Bruce hit safely in 11 of last 17 games; 16-for-51 (.314).

Career: Batted .338 in 37 games with Covington in 1975 ... Split 1976 between Covington and Dubuque (Midwest League) ... Hit .253 with Cocoa in 1977. Longest career-hitting streak—5 games in 1978.



BOCHY (Continued)

Personal/Misc.: Graduated from Melbourne High, Melbourne, Fla. and Brevard Junior College in Melbourne... Was All-District and All-American in baseball... Enjoys fishing, golf and hunting.

BOCHY VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.389	18	7	1	4
Montreal	.200	5	1	0	0
New York	.417	12	5	1	2
Philadelphia	.333	3	1	0	0
Pittsburgh	.294	17	5	0	4
St. Louis	.091	11	1	0	0
Atlanta	.286	28	8	0	2
Cincinnati	.182	11	2	1	1
Los Angeles	.250	12	3	0	0
San Diego	.111	9	1	0	1
San Francisco	.250	28	7	0	1

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1975	Covington	.338	37	145	31	49	9	0	4	34	11	18	0
1976	Columbus	.230	69	230	9	53	6	0	0	16	14	30	0
1976	Dubuque	.243	30	103	9	25	4	0	1	8	12	11	1
1977	Cocoa	.253	128	430	40	109	18	2	3	35	35	50	0
1978	Columbus	.268	79	261	25	70	10	2	7	34	13	30	0
1978	Houston	.266	54	154	8	41	8	0	3	15	11	35	0
ML TOTALS		.266	54	154	8	41	8	0	3	15	11	35	0

23—CABELL, Enos Milton (Enos, E) INF

Age 29, turns 30 on October 8 ... Born Ft. Riley, Kansas, 10/8/49 ... Home—Houston, Tex ... B-R, T-R ... 6-5, 185 ... Married; Kathy, one child; Enos Marcus.

How Obtained: Acquired with Rob Andrews from Baltimore, 12/74, for Lee May and Jay Schleuter.

Major League Status: 5 years, 137 days.

1978 Season: Selected Astros 1978 Most Valuable Player by BBWAA ... Finished tenth in the NL in batting with a .295 mark ... Was third in the league in hits with 195 ... Set club records for most at bats in a season (660), hits in a season (195) and games played in a season (162) ... Started the season with a four-game hitting streak, then rattled off an eight-game string as he batted safely in 13 of the Astros first 16 games... Had back-to-back three-RBI games vs. NY (5/12 & 5/13) ...

Was successful in eight of nine stolen base attempts in June, on his way to 30+ stolen bases for the third straight year ... Hit safely in 29 of his last 36 games; 45-for-140 (.321). Over that final stretch, Enos collected two or more hits in 14 games, eight doubles, a triple, 17 runs batted in, 25 runs scored and seven stolen bases in 10 attempts... Missed starting only one game, due to a jammed finger on 9/4. Pinch-hitting that game, he was 0-for-1. Following that game, he went on a 14-game hitting streak, longest of his career.

Career: Led Astros in at-bats, runs scored and hits in 1977 ... Led club in at-bats and was second in runs scored and steals in 1976 ... Stole a total of 77 bases over the '76 and '77 seasons ... Won two minor league batting titles and was named Texas League Player of the Year in 1971. Longest career hitting streak—14 games in 1978.

Personal/Misc.: Graduate of Gardena High, Gardena, California, and Harbour Junior College, San Pedro, Calif. ... Played baseball and basketball in high school and college ... Was All-Conference in baseball in Harbour JC ... Off-season hobbies include golf and fishing.



CABELL VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.242	153	37	2	13
Montreal	.266	173	46	2	19
New York	.240	171	41	3	27
Philadelphia	.345	148	41	4	19
Pittsburgh	.263	157	51	0	12
St. Louis	.238	130	31	2	12
Atlanta	.290	245	71	2	20
Cincinnati	.318	283	90	5	34
Los Angeles	.249	249	62	2	21
San Diego	.302	256	79	3	27
San Francisco	.291	254	74	2	21

CABELL (Continued)

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1969	Bluefield	.374	69	270	62	101	14	2	10	43	20	34	17
1970	Stockton	.284	138	517	78	147	25	6	10	67	52	103	24
1971	Dal.-Ft. W.	.311	140	521	65	162	24	6	6	79	28	63	12
1972	Rochester	.269	141	540	82	145	26	9	8	66	29	79	14
1972	Baltimore	.000	3	5	0	0	0	0	0	1	0	0	0
1973	Rochester	.354	60	229	43	81	9	1	2	24	18	35	7
1973	Baltimore	.213	32	47	12	10	2	0	1	3	3	7	1
1974	Baltimore	.241	80	174	24	42	4	2	3	17	7	20	5
1975	Houston	.264	117	348	43	92	17	6	2	43	18	53	12
1976	Houston	.273	144	586	85	160	13	7	2	43	29	79	35
1977	Houston	.282	150	625	101	176	36	7	16	68	27	55	42
1978	Houston	.295	162	660	92	195	31	8	7	71	22	80	33
ML TOTALS		.276	688	2445	357	675	103	30	31	246	106	294	128

CHAMPIONSHIP SERIES RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1974	Baltimore	.250	3	4	0	1	0	0	0	0	0	2	0

28—CEDENO, Cesar (Cesar, C)

OF

Age 28, turns 29 on February 25... Born Santo Domingo, D.R., 2/25/51 ... Home — Houston, Tex. ... B-R, T-R ... 6-2, 195 ... Married; Cora, two children; Cesar Roberto and Cesar Ricardo.

How Obtained: Signed as free agent, 10/67

Major League Status: 8 years, 104 days.

1978 Season: Season marred by knee injury suffered on 6/16. In the fifth inning of game with Chicago, Cesar slid into second base trying to stretch an RBI single and tore the medial collateral ligament of his left knee. Underwent surgery on 6/17, had cast removed 7/31 and played in two of the final three games of the season vs. the Giants. Beat out an infield hit on 9/29 and homered in the season finale on 10/1 ... Despite being out with the injury, Cesar was among the league leaders in stolen bases for two-thirds of the season ... Batted .347 over the first 12 games of the year. Had a seven-game hitting streak during that stretch ... Was selected to outfield of Playboy Magazine's Clutch All-Star team in a poll of major league managers.

Career: Is in the top three in every major offensive category in Astros' history ... Has appeared in five All-Star games ... Member of the 1976 Sporting News All-Star team ... Has four Gold Gloves from 1972 through 1976 ... Has 360 lifetime stolen bases, an Astros record ... Was selected Astros' MVP by Houston Chapter of BBWAA in 1972. Longest career hitting streak—22 games in 1977.

Personal/Misc.: Attended Fidel Ferrel High School, Dominican Republic ... Enjoys playing golf and hunting during the off-season.



CEDENO VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.296	301	89	9	37
Montreal	.268	321	86	12	35
New York	.268	332	89	14	46
Philadelphia	.303	297	90	8	39
Pittsburgh	.298	326	97	12	44
St. Louis	.310	329	102	6	35
Atlanta	.318	490	156	20	100
Cincinnati	.341	495	169	25	82
Los Angeles	.257	522	134	14	70
San Diego	.261	513	134	10	62
San Francisco	.288	531	153	12	67

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVE.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1968	Covington	.374	36	131	23	49	5	6	0	21	6	20	9
1968	Cocoa	.256	69	180	19	46	8	2	0	16	12	35	5
1969	Peninsula	.274	142	497	62	136	32	3	5	39	36	79	24
1970	Okla. City	.373	54	233	47	87	14	9	14	61	8	26	9
1970	Houston	.310	90	355	46	110	21	4	7	42	15	57	17
1971	Houston	.264	161	611	85	161	40	6	10	81	25	102	20
1972	Houston	.320	139	559	103	179	39	8	22	82	56	62	55
1973	Houston	.320	139	525	86	168	35	2	25	70	41	79	56
1974	Houston	.269	160	610	95	164	29	5	26	102	64	103	57
1975	Houston	.288	131	500	93	144	31	3	13	63	62	52	50
1976	Houston	.297	150	575	89	171	26	5	18	83	55	51	58
1977	Houston	.279	141	530	92	148	36	8	14	71	47	50	61
1978	Houston	.281	50	192	31	54	8	2	7	23	15	24	23
ML TOTALS		.291	1161	4457	720	1299	265	43	142	617	380	580	397

25—CRUZ, Jose Dilan (Jose, Cheo) OF

Age 31, turns 32 on August 8 ... Born Arroyo, P.R., 8/8/47 ... Home — Arroyo, P.R. ... B-L, T-L ... 6-0, 175 ... Married; Hilda, three children; Jose Javier, Jose Cheito and Shakira.

How Obtained: Purchased from St. Louis, 9/74.

Major League Status: 7 years, 155 days.

1978 Season: Finished third in the NL in batting with a .315 average ... Was selected National League Player of the Week for the week of games ending 9/10.

For that week, Cheo batted .478 with 11 hits in 23 at-bats, scoring five runs, driving in four more, stealing three bases while collecting a triple and four doubles ...

Of Jose's 10 home runs, seven of which came in the Astrodome, five either tied the game, put the Astros ahead for good or won the game. His game-winning home runs came on 6/2 when his two-run blast beat the Cards, 2-1, and on 7/17 when his 11th inning homer gave the Astros a 2-1 win over the Phillies. His other homers of note came on 5/26 when his two-run homer in the sixth accounted for final two Astros runs in 5-4 win over NY; on 7/25 when his two-out homer in the ninth tied game at 2-2 and Astros went on to win over Expos, 3-2, in 13 innings, and on 8/21 when his two-run shot gave the Astros their final two runs in 8-3 win over Chicago ... Hit in 10 of last 12 games; 19-for-42 (.452) ... Jose hit safely in 56 of the 77 games he appeared in following the All-Star break, hitting .330 over that span (94-for-285) with 18 doubles, five triples, six homers, 42 runs batted in and 22 stolen bases ...

Had hitting streaks of seven, eight and 11 games.

Career: Selected 1977 Astros MVP by Houston BBWAA ... Led Astros in games, triples and sacrifice files in 1977 ... Has stolen 109 bases over last three seasons ... Led NL outfielders in double plays (5) in 1972 ... Led Texas League in total bases (254) in 1970 ... With .303 mark, was one of two Astros to hit above .300 in 1976 (Bob Watson hit .313). Longest career hitting streak — 13 games in 1977.

Personal/Misc.: Oldest of three brothers in professional baseball; Tommy (27) and Hector (26) ... Graduate of Arroyo High, Arroyo, P.R., where he played baseball, basketball, softball and ran track ... Enjoys fishing, hunting, swimming and watching television.



CRUZ VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.277	310	86	8	38
Montreal	.289	304	88	5	36
New York	.277	213	59	5	28
Philadelphia	.258	279	72	7	34
Pittsburgh	.267	277	74	5	35
St. Louis	.250	152	38	2	24
Atlanta	.266	335	89	10	41
Cincinnati	.301	276	83	8	52
Houston	.279	86	24	1	11
Los Angeles	.280	286	80	5	31
San Diego	.295	271	80	4	33
San Francisco	.284	317	90	6	45

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1967	St. Petersburg	.278	78	205	33	57	8	9	1	20	36	28	6
1968	Modesto	.286	133	504	101	144	24	10	13	53	53	79	17
1969	Arkansas	.273	102	400	56	109	18	9	6	49	30	54	4
1970	Arkansas	.300	133	493	89	148	29	7	21	90	73	60	11
1970	St. Louis	.353	6	17	2	6	1	0	0	1	4	0	0
1971	Tulsa	.327	67	254	56	83	15	7	15	49	46	31	5
1971	St. Louis	.274	83	292	46	80	13	2	9	27	49	35	6
1972	St. Louis	.235	117	332	33	78	14	4	2	23	36	54	9
1973	St. Louis	.227	132	406	51	92	22	5	10	57	51	66	10
1974	St. Louis	.261	107	161	24	42	4	3	5	20	20	27	4
1975	Houston	.257	120	315	44	81	15	2	9	49	52	44	6
1976	Houston	.303	133	439	49	133	21	5	4	61	53	46	28
1977	Houston	.299	157	579	87	173	31	10	17	87	69	67	44
1978	Houston	.315	153	565	79	178	34	9	10	83	57	57	37
ML TOTALS		.278	1008	3106	415	863	155	40	66	408	391	396	144

On July 9, 1968 in the first 1-0 game in the history of All-Star competition, the National League scored an unearned run in the first inning and defeated the American League. The game, first in the classic series to be played indoors, packed the Astrodome with a crowd of 48,321 fans, who paid a then record total of \$383,733 at the gate.

37—DIXON, Thomas Earl (Tom) RHP

Age 23, turns 24 on April 23 ... Orlando, Fla., 4/23/55 ... Home — Orlando, Fla. ... B-R, T-R ... 5-11½, 177 ... Married; Debi, one son; Thomas Jr.

How Obtained: Purchased from St. Louis, 4/8/75.

Major League Status: 1 year, 67 days.

1978 Season: First eight pitching appearances were as a relief pitcher ... Picked up victory in Astros 4-3 win over Cinn. on 4/16, working two innings to gain first season win ... Picked up first win as a starter on 6/18 when the Astros defeated Chicago, 3-2 ... Registered first major league shutout in 4-hit, 3-0 win over the Reds on 6/28 ... Picked up seventh win in last start on 9/30 when he downed the Giants, 7-4 ... Also shut out St. Louis, 6-0, on 8/14 ... His bat helped Tom defeat NY in extra innings @ NY on 5/12 when he singled home the winning run.

Career: Made first major league start, 7/30/77, vs. Chicago, going five no decision innings ... Won first major league game, 8/6, with five-hit complete game victory over St. Louis. Longest career winning streak—2 games in 1978.

Personal/Misc.: Graduated from Boone High in Orlando, Fla., where he played baseball, basketball and football ... Hobbies are hunting and fishing.



DIXON VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	1-0	3	2	0	13.0	16	4	4	6	5	2.77
Montreal	0-1	3	1	0	6.1	13	9	8	2	3	12.00
New York	2-1	5	3	0	26.2	25	10	10	9	14	3.33
Philadelphia	0-1	4	1	0	11.0	15	6	6	3	7	4.91
Pittsburgh	0-1	3	2	0	9.2	17	9	8	2	8	7.20
St. Louis	2-1	3	3	2	26.0	15	3	3	4	11	1.04
Atlanta	0-0	1	1	0	5.1	8	4	4	1	3	7.20
Cincinnati	2-0	4	1	1	12.0	8	2	2	5	4	1.50
Los Angeles	0-1	4	1	0	10.0	10	7	4	1	6	3.60
San Diego	0-2	3	3	1	19.0	26	12	10	5	7	4.74
San Francisco	1-3	6	5	0	31.1	27	16	14	12	13	4.06

MAJOR LEAGUE BATTING RECORD	AVG.	AB	H	2B	3B	HR	RBI
	.085	47	4	0	0	0	1

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	GC	IP	H	R	ER	BB	SO
1974	St. Petersburg	0-0	—	1	0	0	0	3	3	3	0	0
1974	Sarasota Cardinals	2-0	1.32	7	5	1	34	23	5	5	2	23
1975	Dubuque	2-4	2.93	32	5	0	80	66	35	26	40	63
1976	Columbus	11-10	2.43	27	23	11	167	145	58	45	49	98
1977	Charleston	13-4	2.25	21	18	9	140	122	43	35	41	44
1977	Houston	1-0	3.30	9	4	1	30	40	12	11	7	15
1978	Houston	7-11	3.99	30	19	3	140	140	70	62	40	66
ML TOTALS		8-11	3.86	39	23	4	170	180	82	73	47	81

15—DRUMRIGHT, Keith Alan (Keith) INF

Age 24, turns 25 on October 21 ... Born Springfield, Mo., 10/21/54 ... Home—Springfield, Mo. ... B-L, T-R ... 5-10, 160 ... Married; Kimberly Ann.

How Obtained: Acquired from Chicago Cubs' Wichita club, 10/13/77, in exchange for Ignacio Javier.

Major League Status: 31 days.

1978 Season: Member of International League All-Star team ... Led Charleston in hitting with a .311 mark and led all IL hitters in base hits with 159 ... Was a non-roster invitee to Astros spring training camp ... Contract purchased by Astros on 9/1 after Art Howe fractured a finger on 8/29 ... Went 2-for-4 vs. Cubs in first major league game on 9/1 ... Hit safely in first three major league contests ... Collected two hits vs. S. F. on 9/29 in last appearance of season.

Career: Began career with the Chicago Cubs' organization in 1976, hitting .319 in 42 games for Midland ... Batted .301 in 29 games at Midland and .287 in 84 games at Wichita in 1977. Longest career hitting streak—3 games in 1978.

Personal/Misc.: Graduated from Hillcrest High in Springfield, Mo. in 1972 ... Attended Oklahoma University, Norman Okla., where he played four years of baseball ... Was second team All-American in 1974 and first team All-American in 1976 ... Hobbies include golf, bowling and camping.



DRUMRIGHT (Continued)

DRUMRIGHT VS. THE NATIONAL LEAGUE

N. L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.313	16	5	0	2
Atlanta	.143	7	1	0	0
Cincinnati	.000	8	0	0	0
Los Angeles	.000	8	0	0	0
San Diego	.000	7	0	0	0
San Francisco	.333	9	3	0	0

Has not faced Montreal, New York, Philadelphia, Pittsburgh and St. Louis.

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1976 Midland	.319	42	163	22	52	3	1	0	14	18	9	5
1977 Midland	.301	29	123	26	37	5	1	0	9	12	5	3
1977 Wichita	.287	84	268	37	77	10	4	0	17	17	16	4
1978 Charleston	.311	124	512	67	159	21	3	1	49	37	24	8
1978 Houston	.164	17	55	5	9	0	0	0	2	3	4	0
ML TOTALS	.164	17	55	5	9	0	0	0	2	3	4	0

10—FISCHLIN, Michael (Mike)

INF

Age 23, turns 24 on Sept. 13... Born Sacramento, Calif., 9/13/55... Home — Elk Grove, Calif... B-S, T-R... 6-1, 165... Single.

How Obtained: Acquired along with Randy Niemann and Dave Bergman from the Yankees, 6/15/77, for Cliff Johnson.

Major League Status: 113 days.

1978 Season: Began year at Charleston but was recalled by Astros on 6/15 after Roger Metzger was traded to S. F.... Appeared in 40 games with Astros before being optioned back to the Charlies on 8/14... Teamed with Drumright as IL's top doubleplay combination and helped lead Jim Beauchamp's Charlies to the league regular season pennant... Was recalled by Astros on 9/1 and reported following Charleston elimination from IL playoff competition.

Career: Batted .294 for Ft. Lauderdale (Yankees Class A) in 1977 before coming to Columbus following the Cliff Johnson deal. Batted .242 for Columbus... Appeared in 13 games with Astros in 1977... Was 163rd player picked in regular phase of June, 1975, draft.

Personal/Misc.: Received Associates degree in physical education from Consumnes River Junior College, Sacramento, Calif., where he was an All-Valley Conference shortstop and team captain in 1975... Graduated Elks Grove High, where he played baseball and basketball.



FISCHLIN VS. THE NATIONAL LEAGUE

N. L. Club	AVG.	AB	H	HR	RBI
Chicago	.000	5	0	0	0
Montreal	.250	8	2	0	0
New York	.167	6	1	0	0
Philadelphia	.125	8	1	0	0
Atlanta	.000	10	0	0	0
Cincinnati	.188	16	3	0	0
Los Angeles	.208	24	5	0	0
San Diego	.059	17	1	0	0
San Francisco	.000	7	0	0	0

Has not faced St. Louis and Pittsburgh.

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1975 Oneonta	.230	35	135	22	31	4	3	0	6	15	26	6
1975 Ft. Lauderdale	.183	29	104	7	19	4	0	0	7	10	16	1
1976 West Haven	.153	91	248	16	38	7	1	2	20	25	50	5
1976 Oneonta	.255	14	55	13	14	3	0	0	5	8	6	3
1977 Ft. Lauderdale	.294	53	201	28	59	6	4	0	20	27	27	4
1977 Columbus	.242	66	223	23	54	4	0	1	16	37	40	4
1977 Houston	.200	13	15	0	3	0	0	0	0	0	2	0
1978 Charleston	.211	82	280	38	59	10	2	0	19	38	49	4
1978 Houston	.116	44	86	3	10	1	0	0	0	4	9	1
ML TOTALS	.129	57	101	3	13	1	0	0	0	4	11	1

The first home run ever hit by a Houston player in the National League came on opening day of 1962—April 10. Roman Mejias connected off Chicago pitcher Don Cardwell in the third inning with two men on base. Mejias also homered off Al Lary in the eighth inning with two more men on to account for the third Colt 45's home run of the game. Hal Smith had hit one in the third inning. The first opposition home run came in the seventh inning of the same game when the Cubs' Ernie Banks hit one off Bobby Shantz.

43—FORSCH, Kenneth Roth (Ken) RHP

Age 32, turns 33 on September 8...Born Sacramento, Calif., 9/8/46...Home—Missouri City, Tex....B-R, T-R...6-4, 215...Married; Jonnye Sue, one child; Stephanie Ann.

How Obtained: Signed as 18th pick in June, 1968 free agent draft.

Major League Status: 8 years, 29 days.

1978 Season: Opened season as Astros right-handed short and middle relief man...Was 6-4 with seven saves in 46 relief appearances...Led staff in relief wins and was second in overall appearances (52), saves (7) and ERA (2.71)...Made first start since July 7, 1977 on 8/23 when he picked up a 3-0 victory over Chicago, giving up four hits and two walks in seven innings...Went the distance to down St. L., 6-3, in his next start on 8/29...Other wins as starter came vs. L.A. on 9/8 when he tossed a 5-0 shutout, his first since 1971, and on 9/21 when he shut out the Braves, 2-0...Was 4-2 as a starting pitcher...Was 7-0 at home.

Career: Led all Astros pitchers in ERA and saves (8) in 1977...Led staff in ERA, games and saves (19) in 1976...Pitched a perfect ninth inning in the 1976 All-Star Game...Set club record for appearances in a season with 70 in 1974...Also led team in saves (10) and ERA in '74. Longest winning streak—4 games (twice), in 1971 and 1978.

Personal/Misc.: Graduated from Hiram Johnson High, Sacramento, Calif., where he played baseball and basketball...Was All-PAC 8 Conference while playing baseball for Oregon State University...Ken's brother, Bob, is a pitcher for the St. Louis Cardinals...Ken works in a bank during the off-season...His hobbies include archery, hunting, fishing, tennis and golf.



FORSCH VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	5-6	31	9	1	98.1	89	42	35	35	59	3.21
Montreal	7-4	31	10	0	95.0	91	41	36	55	59	3.41
New York	5-5	26	10	1	88.2	96	40	38	38	35	3.84
Philadelphia	2-2	14	1	0	30.2	29	9	8	7	20	2.32
Pittsburgh	3-4	24	5	0	56.0	65	25	24	9	37	3.86
St. Louis	2-6	28	7	1	86.1	96	45	37	24	55	3.87
Atlanta	10-7	49	12	4	148.2	122	44	42	38	96	2.54
Cincinnati	6-9	45	14	4	126.0	135	62	59	53	85	4.21
Los Angeles	7-5	50	11	4	146.0	147	44	41	52	88	2.53
San Diego	7-4	35	12	3	136.0	122	44	38	38	85	2.51
San Francisco	1-10	30	6	2	78.0	62	34	31	16	54	3.58

MAJOR LEAGUE BATTING RECORD	AVG	AB	H	2B	3B	HR	RBI
	.101	258	26	2	0	0	6

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1968	Greensboro	0-0	3.00	3	0	0	6	6	2	2	3	6
1968	Williamsport	1-2	1.38	4	3	2	26	14	6	4	9	40
1969	Peninsula	6-5	3.16	17	14	1	94	67	40	33	53	100
1970	Columbus	13-8	2.05	22	22	9	167	135	48	38	39	152
1970	Oklahoma City	4-0	1.58	5	5	4	40	25	7	7	10	37
1970	Houston	1-2	5.63	4	4	1	24	28	15	15	5	13
1971	Houston	8-8	2.54	33	23	7	188	162	60	53	53	131
1972	Houston	6-8	3.92	30	24	1	156	163	75	68	62	113
1973	Houston	9-12	4.21	46	26	5	201	197	101	94	74	149
1974	Houston	8-7	2.80	70	0	0	103	98	38	32	37	48
1975	Houston	4-8	3.22	34	9	2	109	114	42	39	30	54
1976	Houston	4-3	2.15	52	0	0	92	76	23	22	26	49
1977	Houston	5-8	2.72	42	5	0	86	80	32	26	28	45
1978	Houston	10-6	2.71	52	6	4	133	136	44	40	37	71
ML TOTALS		55-62	3.21	363	97	20	1090	1054	430	389	352	672

Only five home runs (four during regular season) have ever been hit into the Astrodome's upper (gold) level.

4/ 3/70—Doug Rader (Astros) off Stan Bahnsen (Yankees) — pre-season

4/12/70—Jim Wynn (Astros) off Phil Niekro (Braves)

5/22/70—Bernie Carbo (Reds) off Larry Dierker

8/16/70—Bob Bailey (Expos) off Denny Lemaster

5/21/77—Greg Luzinski (Phillies) off Bo McLaughlin

All except Bernie Carbo's were hit into the left field seats.

9—GONZALEZ, Julio Cesar (Julio) INF

Age 25, turns 26 on December 25...Born Caguas, Puerto Rico, 12/25/53...Home—Caguas, P.R....B-R, T-R...5-11, 165...Married; Maria, three children; Julio Cesar Jr., Maria and Julio Samar.

How Obtained: Acquired from Chicago Cubs, 12/8/76, for Greg Gross.

Major League Status: 1 year, 168 days.

1978 Season: Appeared in 23 games with the Astros before being optioned to Charleston 7/13 to make room for O. Zamora during the Astros doubleheader stretch in late July...Batted .367 in eight games with the Charlies before being recalled on 7/23...Bat came alive upon his return as Julio played in almost every game for three weeks as a replacement for the injured Art Howe...Had a five-game hitting streak from 8/12 thru 8/16 in which he went 6-for-22 with a triple and four RBI...Picked up five RBI in his last five appearances of the season.

Career: Led 1976 Wichita Aeros in hits, triples and stolen bases...Led league that year with an 82% stolen base percentage...Led Midwest League in at-bats in 1973...Also led league in putouts by a shortstop, chances and double plays and was second in hits. Longest career hitting streak—7 games in 1977.

Personal/Misc.: Graduate of Manuela Toro High in Caguas, P.R., where he played baseball...Enjoys reading and watching television in his spare time.



GONZALEZ VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.152	46	10	0	3
Montreal	.219	32	7	0	5
New York	.194	36	7	0	1
Philadelphia	.231	26	6	1	6
Pittsburgh	.333	63	21	0	3
St. Louis	.172	64	11	0	4
Atlanta	.289	76	22	1	5
Cincinnati	.238	63	15	0	3
Los Angeles	.203	64	13	0	3
San Diego	.290	69	20	0	5
San Francisco	.209	67	14	0	5

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1972 Quincy	.237	96	346	39	82	14	7	7	37	19	53	9
1973 Quincy	.297	125	492	81	146	16	8	5	39	26	60	3
1974 Key West	.222	87	333	26	74	12	2	1	20	13	30	16
1975 Midland	.272	81	324	37	88	13	2	2	27	17	33	9
1975 Wichita	.205	56	171	13	35	5	0	0	11	13	17	2
1976 Wichita	.281	128	484	59	136	12	5	3	41	24	3	27
1977 Houston	.245	110	383	34	94	18	3	1	27	19	45	3
1978 Charleston	.367	8	30	3	11	1	0	0	2	3	4	2
1978 Houston	.233	78	223	24	52	3	1	1	16	8	31	6
ML TOTALS	.241	188	606	58	146	21	4	2	43	27	76	9

26—HOWARD, Wilbur Leon (Wilbur, Chilli) OF

Age 30, turns 31 on January 8...Born Lowell, N.C., 1/8/49...Home—Houston, Tex....B-S, T-R...6-2, 175...Single.

How Obtained: Acquired from Milwaukee, 3/74, for Larry Yount and Don Stratton.

Major League Status: 4 years, 119 days.

1978 Season: Was second to Alou in pinch hits with 12 and third to Walling and Alou in pinch-hit RBIs with six...In second start of season—4/30 vs. Mont.—Chilli tripled, homered and drove in two runs as Astros lost to Mont., 6-3...Sprained right ankle on 5/19 vs. Phila. and was placed on 15-day DL on 5/20. Was reinstated 6/9...Went 3-for-4 on 7/1 vs. S.D....Showed versatility by pinch-hitting both left and righthanded, pinch-running, catching, playing second base and all three outfield positions during course of season...Became a four-year man midway through the season.

Career: Hit first major league home run, 9/8/74, vs. SD's Randy Jones...Named to 1970 Midwest League All-Star team. Longest career hitting streak—10 games in 1975.

Personal/Misc.: Graduate of Holbrook High, Lowell, N.C., where he played baseball, basketball and football...Hobbies include fishing.



HOWARD (Continued)

HOWARD VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.385	65	25	1	9
Montreal	.315	89	28	1	11
New York	.296	71	21	0	7
Philadelphia	.256	90	23	0	4
Pittsburgh	.243	70	17	0	4
St. Louis	.233	73	17	0	6
Atlanta	.304	92	28	0	3
Cincinnati	.207	135	28	1	6
Los Angeles	.178	90	16	0	4
San Diego	.212	99	21	1	8
San Francisco	.226	155	35	2	8

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1968	Newark	.290	27	31	7	9	1	1	1	6	3	9	0
1969	Clinton	.000	4	1	0	0	0	0	0	0	0	1	0
1969	Newark	.287	57	181	35	52	5	1	1	15	15	47	20
1970	Clinton	.303	117	469	70	142	17	7	3	34	34	90	40
1970	Portland	.333	7	27	3	9	2	0	0	2	3	7	1
1971	Evansville	.240	128	508	57	122	14	8	6	40	40	104	42
1972	Evansville	.286	129	542	70	155	25	5	8	46	23	111	14
1973	Evansville	.270	130	552	90	149	25	9	6	63	34	117	23
1973	Milwaukee	.205	16	39	3	8	0	0	0	1	2	10	0
1974	Denver	.297	65	279	43	83	19	5	6	32	8	32	13
1974	Houston	.216	64	111	19	24	4	0	2	5	5	18	4
1975	Houston	.283	121	392	62	111	16	8	0	21	21	67	32
1976	Houston	.220	94	191	26	42	7	2	1	18	7	28	7
1977	Charleston	.200	11	45	7	9	2	0	0	3	3	2	3
1977	Houston	.257	87	187	22	48	6	0	2	13	15	30	11
1978	Houston	.230	84	148	17	34	4	1	1	13	5	22	6
ML TOTALS		.250	466	1068	149	267	37	11	6	71	45	175	60

PITCHING RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1968	Newark	8-5	3.87	18	12	5	86	80	41	37	37	74
1969	Clinton	0-0	4.50	4	0	0	8	13	13	4	6	4
1969	Newark	0-0	9.00	1	0	0	2	4	2	2	1	0

18—HOWE, Arthur Henry (Art)

INF

Age 32, turns 33 on December 15...Born Pittsburgh, Pa., 12/15/46...Home—Houston, Tex....B-R, T-R...6-1, 185...Married; Betty Lou, three children; Stephanie, Gretchen and Matthew.

How Obtained: Player to be named later in December, 1975 trade of Tommy Helms to Pittsburgh.

Major League Status: 3 years, 170 days.

1978 Season: Hit in 14 of 15 games from 4/12 thru 4/29 to raise average from .240 to .329, going 22-for-62 (.355)...After striking out on 4/10, Art went 24 games (99 at bats) without fanning...Was a league leader in two-base hits for most of season...Was hospitalized at S.F. on 5/25 with stomach disorder but missed only two games...Was two-time recipient of Astros Champion of the Month Award...Won it in April after hitting .313 for the month...Also won the award in August by batting .348 with 14 RBI for the month...Art's August is particularly noteworthy because he missed the first 12 days of the month following a spectacular collision at second base with the Giants Terry Whitfield on 7/31. His physical misfortunes during the month continued on 8/13 when he was struck in the helmet earflap by a fastball thrown by the Braves Dave Campbell...The final injury occurred on 8/29 when the Cards' Garry Templeton struck Art in the middle finger of his right hand with a relay throw, fracturing the finger...Art returned for the final two games of the season.

Career: Played a total of 125 games at second base, third and shortstop in 1977 and committed just eight errors...Hit career high in home runs (8), doubles (23) and triples (7) in 1977...Singled in first major league at bat, 6/10/74, vs. Atlanta's Carl Morton...Split 1976 season between Houston and Memphis, where he hit .355 in 74 games, including a string of 11 extra base hits in 12 at-bats. Longest career hitting streak—11 games (twice), in 1977 and 1978.

Personal/Misc.: Played baseball and football (quarterback) at Wyoming University before being injured...Graduated from Shaler High, Glenshaw, Pa....Attended Pirates' tryout while working for Westinghouse as a computer programmer. Was signed by Merrill Hess...Hobbies include golf, handball, basketball and reading.



HOWE (Continued)

HOWE VS. NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.367	88	23	2	17
Montreal	.298	128	32	0	11
New York	.282	128	31	3	15
Philadelphia	.292	104	26	3	8
Pittsburgh	.267	83	16	0	9
St. Louis	.287	75	22	2	14
Atlanta	.308	71	21	1	16
Cincinnati	.164	92	23	3	14
Houston	.300	10	3	0	1
Los Angeles	.204	104	27	3	10
San Diego	.240	112	32	0	7
San Francisco	.242	87	23	0	6

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1971 Salem	.348	114	382	77	133	27	7	12	79	82	74	11
1972 Charleston	.271	109	365	68	99	21	3	14	53	63	69	8
1973 Charleston	.228	119	372	50	85	20	1	8	44	54	70	6
1974 Charleston	.338	60	207	26	70	17	4	8	36	31	27	4
1974 Pittsburgh	.243	29	74	10	18	4	1	1	5	9	13	0
1975 Charleston	.357	11	42	4	15	1	3	0	3	2	4	0
1975 Pittsburgh	.171	63	146	13	25	9	0	1	10	15	15	1
1976 Memphis	.355	74	259	50	92	21	3	12	59	34	31	1
1976 Houston	.138	21	29	0	4	1	0	0	0	6	6	0
1977 Houston	.264	125	413	44	109	23	7	8	58	41	60	0
1978 Houston	.293	119	420	46	123	33	3	7	55	34	41	2
ML TOTALS	.258	357	1082	113	279	70	11	17	128	105	135	3

CHAMPIONSHIP SERIES RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1974* Pittsburgh	.000	1	1	0	0	0	0	0	0	0	0	0

17—LANDESTOY, Rafael Sivaldo INF

Age 25, turns 26 on May 28...Born Bani, D.R., 5/28/53...Home—Bani, D.R....B-S, T-R...5-9, 163...Married; Maira, one child; Rafael Jr.

How Obtained: Acquired 7/7/78 as first "player to be named later" in trade that sent Joe Ferguson to Los Angeles.

Major League Status: 125 days.

1978 Season: Came to the Astros on 7/7 as the first player to be named later in the Joe Ferguson trade with Los Angeles (Jeff Leonard later joined Houston to complete deal)...Was batting .277 with 35 runs scored and 24 stolen bases for Albuquerque of the Pacific Coast League when acquired...Hit in first five games in which he appeared for Astros, including a 3-for-6 performance on 7/14 at Mont....Was Astros starting shortstop for first month before being sidelined with shoulder tendonitis...Used as a pinch-hitter before returning to shortstop on 8/29...Went 4-for-5 vs. Chi. on 9/1...Hit in 18 of 27 games during Sept.; 33-for-116 (.284).

Career: Was called up by Dodgers, 8/26/77, and remained with club through LCS and World Series, batting .278 in 15 regular season games...Hit .276 with Albuquerque in 1977...Led PCL in steals with 56 in 1977...Has played second base, third base, shortstop and outfield in professional baseball. Longest career hitting streak—5 games in 1978.

Personal/Misc.: Graduated from Francisco of Billini High School, Bani, D.R., in 1972, where he was an all-star in baseball...Plays winter baseball for Licey of the Dominican Winter League...Enjoys listening to music.



LANDESTOY VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.316	19	6	0	1
Montreal	.296	27	8	0	2
New York	.316	19	6	0	3
Philadelphia	.263	19	5	0	1
Pittsburgh	.250	4	1	0	0
St. Louis	.222	9	2	0	0
Atlanta	.286	28	8	0	2
Cincinnati	.400	20	8	0	0
Houston	.300	10	3	0	0
Los Angeles	.250	24	6	0	0
San Diego	.182	22	4	0	0
San Francisco	.152	35	6	0	0

LANDESTOY (Continued)

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1972	Ogden	.244	49	119	13	29	4	2	0	14	11	18	2
1973	Daytona Beach	.292	96	288	31	84	11	0	0	24	20	33	11
1974	Orangeburg	.274	134	492	71	135	13	5	2	49	54	68	35
1975	Waterbury	.280	130	439	61	123	10	7	0	31	31	61	41
1976	Albuquerque	.276	140	463	68	128	14	7	2	54	42	52	28
1977	Albuquerque	.276	130	558	113	154	21	10	0	41	58	62	56
1977	Los Angeles	.278	15	18	6	5	0	0	0	0	3	2	2
1978	Albuquerque	.274	66	277	46	76	12	6	1	35	24	30	22
1978	Houston	.266	59	218	18	58	5	1	0	9	8	23	7
ML TOTALS		.267	74	236	24	63	5	1	0	9	11	25	9

CHAMPIONSHIP SERIES RECORD

1977 Los Angeles Did not play.

WORLD SERIES RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1977	Los Angeles	.000	1	0	0	0	0	0	0	0	0	0	0

30—LEONARD, Jeffrey (Jeff)

OF

Age 23, turns 24 on September 22...Born Philadelphia, Pa., 9/22/55...Home—Philadelphia, Pa...B-R, T-R...6-3½, 200...Married; Cynthia, one child; Jeffrey Jr.

How Obtained: Acquired from Los Angeles, 9/11/78, as second player to be named later in Joe Ferguson trade to Dodgers.

Major League Status: 51 days.

1978 Season: Acquired 9/11/78 from L.A., completing Joe Ferguson trade ... Spent 1978 at Albuquerque where he led the Pacific Coast League in batting with a .365 average and in hits with 183 ... Joined Astros on 9/14, going 0-for-1 ... Batted safely in all seven games in which he played after that first game, going 10-for-25 (.400) over those games ... Played all three outfield positions in his eight games with Houston. Primarily used as left fielder.

Career: Collected three hits in first three major league at-bats, with LA vs. Cinn. in 1977...In 1977, led San Antonio in RBI and stolen bases ... Was second team California League All-Star in 1976 ... Was unanimous selection to Arizona Instructional League All-Star squad in '76 ... Was member of All-Northwest League first team in 1974. Longest career hitting streak—7 games in 1978.

Personal/Misc.: Nicknamed "Cotton" by former Dodger teammates...Attended Overbrook High School, Philadelphia, the same school attended by basketball stars Wilt Chamberlain, Walt Hazzard and Wali Jones...Was a shortstop before turning professional.



LEONARD VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Pittsburgh	1.000	1	1	0	0
Atlanta	.438	16	7	0	4
Cincinnati	1.000	2	2	0	2
Houston	.000	3	0	0	0
Los Angeles	.000	1	0	0	0
San Diego	.167	6	1	0	0
San Francisco	.286	7	2	0	0

Has not faced Chicago, Montreal, New York, Philadelphia and St. Louis.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1973	Bellingham	.278	55	187	30	52	4	3	2	20	18	37	6
1974	Orangeburg	.066	8	15	0	1	0	0	0	1	0	4	0
1974	Bellingham	.324	78	278	47	90	12	4	3	43	34	57	26
1975	Bakersfield	.278	106	320	44	89	11	3	4	37	31	64	20
1976	Lodi	.330	133	509	93	168	29	9	8	85	60	87	18
1976	Albuquerque	.296	7	27	2	8	2	1	1	6	0	10	0
1977	San Antonio	.314	122	468	75	147	17	10	12	70	43	54	27
1977	Los Angeles	.300	11	10	1	3	0	1	0	2	1	4	0
1978	Albuquerque	.365	133	502	111	183	23	14	11	93	70	59	36
1978	Houston	.385	8	26	2	10	2	0	0	4	1	2	0
ML TOTALS		.361	19	36	3	13	2	1	0	6	2	6	0

The Houston Colt 45s played three seasons in Colt Stadium, 1962-63-64, and finished in that ball park with a victory over Los Angeles, 1 to 0, in 12 innings on September 27, 1964.

39—McLAUGHLIN, Michael Duane (Bo) RHP

Age 25, turns 26 on October 23...Born Oakland, Cal., 10/23/53...Home—Amelia, Ohio...B-R, T-R...6-5, 210...Single.

How Obtained: Number one selection in June, 1975, free agent draft.

Major League Status: 1 year, 119 days.

1978 Season: Opened the season at Charleston, where he was 5-2 in 12 games before being recalled on 6/19...Made first appearance of season for Astros on 6/20, vs. LA...Lost his only start, 7-4, to SD on 6/25...Appeared in six straight games (7.1 innings) without allowing a run...Optioned back to Charleston 7/28, where he finished with a 9-8 overall record...Five-hit Richmond, 4-2, on 9/6 for the Charlies only International League playoff win.

Career: Spent entire 1977 season with Houston, recording a 4-6 mark in 46 games...Picked up first major league win on 7/25/76, when he went 10 innings to defeat SF, 1-0...Began professional career at Columbus in 1975 and was 5-4 in 15 games.

Personal/Misc.: Graduated from Amelia High School, Amelia, Ohio, where he played basketball and was All-State in baseball...Attended David Lipscomb College, Nashville, Tennessee, where he was an All-American in 1974-75.

**McLAUGHLIN VS. THE NATIONAL LEAGUE**

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	0-0	7	0	0	14.1	9	6	5	5	9	3.21
Montreal	1-0	6	0	0	7.0	4	0	0	0	6	0.00
New York	0-0	5	1	0	5.1	7	1	1	2	3	1.80
Philadelphia	1-2	10	3	1	27.0	29	18	16	13	16	5.33
Pittsburgh	0-1	5	1	0	13.2	16	7	5	1	7	3.21
St. Louis	1-3	5	3	1	17.1	17	9	7	6	8	3.71
Atlanta	0-1	6	2	0	11.2	15	10	8	4	11	6.00
Cincinnati	0-1	4	1	0	15.2	14	6	4	6	6	2.25
Los Angeles	2-2	10	1	0	17.0	17	8	6	15	9	3.18
San Diego	2-2	10	4	1	37.0	38	21	20	16	17	4.86
San Francisco	1-1	7	2	1	21.0	16	6	6	1	9	2.57

MAJOR LEAGUE BATTING RECORD

AVG.	AB	H	2B	3B	HR	RBI
.000	31	0	0	0	0	0

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1975 Columbus	5-4	3.32	15	12	5	95	73	40	35	27	77
1976 Memphis	8-9	3.67	20	19	7	147	137	71	60	53	117
1976 Houston	4-5	2.85	17	11	4	79	71	31	25	17	32
1977 Houston	4-7	4.24	46	6	0	85	81	44	40	34	59
1978 Charleston	8-5	3.73	22	19	5	138	128	59	57	37	63
1978 Houston	0-1	5.09	12	1	0	23	30	17	13	16	10
ML TOTALS	8-13	3.75	75	18	4	187	182	92	78	67	101

54—MENDOZA, Michael Joseph (Mike) RHP

Age 23, turns 24 on November 26...Born Inglewood, California, 11/26/55...Home—Tempe, Arizona...B-R, T-R...6-5, 215...Single.

How Obtained: Signed as a free agent, 6/6/73.

Major League Status: None.

1978 Season: Opened season at Columbus, where he tossed a three-hit shutout to defeat Charlotte on 5/16...Elevated to Charleston 6/22, where he was 2-5 in 11 games...Optioned back to Columbus on 8/14...Finished with a 9-8 record and 2.77 ERA at Columbus...Has a slider and overpowering fastball.

Career: Broke into professional baseball with Covington in 1973...Was 8-7 in 23 games with Columbus in 1977...Has been used mostly as a starter in six years of pro ball...Was on the Astros 40-man roster in spring training, 1977.

Personal/Misc.: Graduate of McClintock High School, Tempe, Arizona, where he played baseball and basketball ... Graduate of Mesa Community College, Mesa, Ariz. ... Is a bartender in the off-season ... Enjoys music and racquetball.

**COMPLETE PROFESSIONAL RECORD**

YEAR CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1973 Covington	1-4	4.91	10	9	0	44	41	38	24	44	42
1974 Covington	3-1	1.73	5	5	1	26	14	11	5	24	23
1975 Dubuque	1-6	6.65	15	15	1	65	60	61	48	66	64
1976 Dubuque	1-8	4.87	27	11	2	98	111	76	53	75	79
1977 Columbus	8-7	3.36	23	22	5	134	131	75	50	82	93
1978 Columbus	9-8	2.77	17	17	12	133	115	46	41	41	101
1978 Charleston	2-5	9.29	11	8	2	42	68	45	43	17	23

36—NIEKRO, Joseph Franklin (Joe) RHP

Age 34, turns 35 on November 7...Born Martins Ferry, Ohio, 11/7/44...Home—Lakeland, Fla....B-R, T-R...6-1, 190...Married; Nancy, two children; Natalie, Lance Joseph.

How Obtained: Purchased from Atlanta, 8/73.

Major League Status: 10 years, 138 days.

1978 Season: Opened season in starting rotation but started slowly, winning one of first five decisions...Removed from starting rotation after no decision vs. Phila. on 5/18...Made six relief appearances before returning to the starting rotation on 6/22, when he defeated LA, 4-3...Was 1-0 as a reliever...Won three straight games twice during the season...Allowed the Phillies just one run on five hits in 11 innings on 7/16, as the Astros downed the Phils, 2-1...Defeated his brother Phil and the Braves, 2-0, on 9/26 (Save to Forsch)...Struck out 11 Braves in a losing effort on 9/20; a career high...Picked up a decision in his last 17 games and in his last 22 starts...His 14 wins tied a career high, a mark also reached in 1968 while with the Chicago Cubs.

Career: Had ninth best ERA (3.03) in the National League in 1977...Pitched in 300th career game, 7/6/76, vs. St.L....Pitched a seven-inning, 2-0, perfect game vs. Tidewater, 7/16/72, while playing for Toledo...While with the Tigers, hurled eight and two-thirds innings of no-hit baseball, 7/2/70, vs. Yanks before Horace Clark singled with one out in the ninth...Pitched four-hitter, hit a home run and defeated Braves and brother Phil, 4-3, on 5/29/76. Longest career winnings streak—4 games in 1976.

Personal/Misc.: Graduate of Bridgeport High, Bridgeport, Ohio and attended West Liberty College, West Liberty, W. Va....Was All-American in baseball...Enjoys fishing and golf.



NIEKRO VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	4-5	20	5	3	74.1	65	28	25	18	37	3.04
Montreal	5-4	20	12	5	96.2	71	27	27	28	47	2.51
New York	5-5	16	10	2	81.1	84	30	26	22	34	2.89
Philadelphia	3-5	22	10	2	77.0	83	49	46	36	39	5.38
Pittsburgh	9-6	30	16	7	131.2	147	58	54	31	58	3.68
St. Louis	5-5	26	10	1	82.2	84	45	38	23	38	4.12
Atlanta	11-9	741	21	5	163.1	160	69	63	49	76	3.48
Cincinnati	7-15	37	17	2	130.0	144	78	67	58	63	4.64
Houston	3-6	21	12	1	82.2	79	36	31	24	36	3.36
Los Angeles	6-6	33	14	4	123.2	127	57	51	48	56	3.70
San Diego	8-4	21	7	3	70.2	54	29	23	33	44	2.92
San Francisco	8-5	26	13	2	111.0	104	40	38	34	48	3.08

MAJOR LEAGUE BATTING RECORD	AVG.	AB	H	2B	3B	HR	RBI
	.154	434	67	13	1	1	31

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1966 Caldwell	0-0	0.00	1	1	0	4	4	0	0	1	7
1966 Quincy	1-2	1.08	4	3	1	25	17	7	3	6	14
1966 Dallas-Ft. Worth	5-4	2.51	12	10	3	79	71	28	22	15	50
1967 Chicago (NL)	10-7	3.34	36	22	7	170	171	68	63	32	77
1968 Chicago (NL)	14-10	4.32	34	29	2	177	204	93	85	59	65
1969 Chicago (NL)	0-1	3.79	4	3	0	19	24	9	8	6	7
1969 San Diego	8-17	3.70	37	31	8	202	213	91	83	45	55
1970 Detroit	12-13	4.06	38	34	6	213	221	107	96	72	101
1971 Detroit	6-7	4.50	31	15	0	122	136	62	61	49	43
1972 Detroit	3-2	3.83	18	7	1	47	62	20	20	8	24
1972 Toledo	2-0	0.64	2	2	2	14	6	1	1	3	11
1973 Toledo	7-10	3.71	26	20	8	143	148	74	59	47	77
1973 Atlanta	2-4	4.13	20	0	0	24	23	11	11	11	12
1974 Richmond	8-1	2.09	30	0	0	52	44	14	12	18	50
1974 Atlanta	3-2	3.56	27	2	0	43	36	19	17	18	31
1975 Des Moines	1-0	5.19	7	0	0	9	7	6	5	7	9
1975 Houston	6-4	3.07	40	4	1	88	79	32	30	39	54
1976 Houston	4-8	3.36	36	13	0	118	107	60	44	56	77
1977 Houston	13-8	3.03	44	14	9	181	155	66	61	64	101
1978 Houston	14-14	3.86	35	29	10	203	190	97	87	73	97
ML TOTALS	95-97	3.73	400	203	44	1607	1621	735	666	532	744

Teresa and Denny Walling became parents for the first time on January 20, 1979 when Teresa gave birth to a baby girl, Heather. Nancy and Joe Niekro became parents for the second time when Lance Joseph Niekro was born on January 29, 1979. Cathy and Dave Bergman were also expecting their first child when the 1979 Media Guide went to press.

46—NIEMANN, Randy H. (Randy)

LHP

Age 23, turns 24 on November 15...Born Scotia, California, 11/15/55...Home—Fortuna, Calif....B-L, T-L...6-4, 200...Married; Joy.

How Obtained: Acquired along with Mike Fischlin and Dave Bergman, 6/15/77, from the New York Yankees in exchange for Cliff Johnson.

Major League Status: None.

1978 Season: Spent entire season at Columbus where he was 9-5 with a 2.05 ERA in 17 games...His ERA was second lowest among all Southern League pitchers and was the best among all left-handers...Started the season with seven straight wins...First loss came on 8/1 when he was defeated by Chattanooga, 4-3, allowing only two earned runs...Second and third losses were also by one run...Shifted into bullpen as top short man for two weeks during August...Top pitches are a sinking fastball and a forkball.

Career: Began professional career in Yankees' organization in 1975, when he was 3-3 with Oneonta of the NY-Penn League...Was 4-4 with West Haven of the Eastern League in 1977 before coming to the Astros' Columbus club midway through the year...Was 0-3 with Columbus in 1977.

Personal/Misc.: Graduate of Fortuna Union High, Fortuna, Calif., where he played baseball, basketball and football...Was all-conference in baseball...Attended College of the Redwoods, Eureka, Calif., for two years...Paints during the off-season...Enjoys fishing, golf and basketball.



COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1975	Oneonta	3-3	2.45	8	8	3	55	53	26	15	20	23
1976	Ft. Lauderdale	9-10	2.84	25	25	10	190	173	74	60	73	79
1977	West Haven	4-4	5.52	13	8	2	62	73	44	38	26	18
1977	Columbus	0-3	4.76	15	3	0	34	36	22	18	19	15
1978	Columbus	9-5	2.05	29	14	9	123	125	44	28	39	53

19—OBRADOVICH, James Thomas (Jim)

1B

Age 29, turns 30 on September 13 ... Born Ft. Campbell, Ky., 9/13/49 ... Home — Tacoma, Wash.... B-L, T-L ...6-2, 200 ... Single.

How Obtained: Signed as a free agent, 4/9/77, following release by Minnesota.

Major League Status: 22 days.

1978 Season: Spent 1978 minor league season as first baseman-designated hitter at Charleston ... Batted .306 with 21 home runs and 85 runs batted in for the Charlies ... Was selected to the International League All-Star team which played the Texas Rangers on 8/7 ... Contract was purchased by Astros from the Charleston club on 9/10, following IL playoffs ... Picked up first career major league hit vs. S.D. on 9/15, going 2-for-4 in his third big league game ... Picked up an RBI triple the following day ... Utilized by Astros as a first baseman and pinch-hitter in the 10 games in which he appeared.

Career: Began professional career with the Twins' Sarasota club in 1967 ... Spent 1971 and 1972 in military service ... Hit .304 with Lynchburg in 1973 ... Split the 1977 season between Columbus and Charleston ... Hit .272 with Columbus and .288 with the Charlies in 1977. Longest career hitting streak—2 games in 1978.

Personal/Misc.: Has attended the University of Kentucky and Appalachian State U....Is a lumberjack and student in the off-season...Enjoys classical music and photography.



OBRADOVICH VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Atlanta	.000	2	0	0	0
Cincinnati	.000	1	0	0	0
Los Angeles	.000	1	0	0	0
San Diego	.429	7	3	0	2
San Francisco	.000	6	0	0	0

Has only faced Atlanta, Cincinnati, Los Angeles, San Diego and San Francisco.

OBRADOVICH (Continued)

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1967	Sar. Twins	.169	49	148	15	25	2	4	2	20	25	53	2
1968	St. Cloud	.269	52	186	24	50	8	1	5	19	14	46	1
1969	Orlando	.286	123	371	65	106	13	6	7	61	38	70	20
1970	Lynchburg	.227	124	392	57	89	16	2	9	44	76	107	4
1971	Evansville												
1972	Portland												
1973	Lynchburg	.304	115	375	63	114	25	5	18	71	52	74	2
1974	Orlando-Savannah	.284	89	313	47	89	12	4	8	50	31	51	1
1974	Tacoma	.226	19	53	9	12	2	0	4	7	2	6	0
1975	Orlando	.229	134	424	61	97	10	0	27	74	75	87	3
1976	Orlando	.265	138	441	84	117	17	4	21	68	113	104	1
1977	Columbus	.272	95	331	60	90	19	3	14	48	52	55	1
1977	Charleston	.288	41	111	18	32	3	0	5	23	26	12	1
1978	Charleston	.306	129	421	77	129	28	3	21	85	77	75	1
1978	Houston	.176	10	17	3	3	0	1	0	2	1	3	0
ML TOTALS		.176	10	17	3	3	0	1	0	2	1	3	0

34—PLADSON, Gordon Cecil (Gordy) RHP

Age 22, turns 23 on July 31... Born New Westminster, British Columbia, Canada, 7/31/56... Home—Surrey, B.C., Canada... B-R, T-R... 6-4, 210... Married; Glenda, one child; Danna.

How Obtained: Signed as a free agent, July, 1973.

Major League Status: None.

1978 Season: Spent entire season at Columbus where he was 10-9 with a 3.71 ERA in 24 games... Started season 0-3, then won 10 of next 14 decisions... Has outstanding fastball and slider.

Career: Began professional career with Covington in 1973... Was 7-4 for Dubuque in 1976... Split the 1977 season between Cocoa and Columbus, compiling a 2-2 record and 2.13 ERA for Columbus.

Personal/Misc.: Graduate of North Delta High School, North Delta, B.C., where he played basketball and soccer... Attended Douglas College in Vancouver for two and a half years... Enjoys golf and fishing.



COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1973	Covington	1-3	5.10	8	7	1	30	34	16	17	31	15
1974	Covington	2-8	6.17	10	8	1	35	29	30	24	33	29
1975	Dubuque	1-5	7.09	17	4	0	33	37	33	26	24	28
1976	Dubuque	7-4	4.68	27	17	1	127	129	88	66	90	63
1977	Cocoa	7-9	4.16	23	16	8	132	147	78	61	62	49
1977	Columbus	2-2	2.13	5	5	3	38	35	12	9	18	13
1978	Columbus	11-10	3.66	26	26	14	182	177	88	74	77	117

21—PUHL, Terry Stephen (Terry) OF

Age 22, turns 23 on July 8... Born Melville, Sask., Canada, 7/8/56... Home—Melville, Sask., Canada... B-L, T-R... 6-2, 197... Single.

How Obtained: Signed as a free agent, 9/19/73

Major League Status: 1 year, 87 days.

1978 Season: Astros most consistent hitter during first half of 1978... Was among league leaders in batting most of the year and led the league in hitting during parts of May and June... Hit in 18 straight games from 5/5 thru 5/27, raising his average from .276 to .335... Was 30-for-74 (.405) during the 18-game streak, the longest of his career... Started season in left field but moved to center following Cedeno's knee injury... Selected by NL manager Tommy Lasorda to All-Star team but did not appear in the game... Besides the 18-game batting streak, Terry also had an eight-game string, an 11-game streak, one of seven and two five-game marks... Was selected Astros Champion of the Month in May when he hit safely in 20 of 22 games for an average of .367. His May performance also put him in the running for N.L. Player of the Month honors.

Career: Played in first major league game on 7/13/77 and went 1-for-6 vs. LA... Was Astros regular leftfielder for remainder of the season... Batted .302 in 78 games at Charleston in 1977. Longest career hitting streak—18 games in 1978.



PUHL (Continued)

Personal/Misc: Graduate of Melville Comprehensive School, Melville, Sask....Played volleyball, basketball, football and ran track in high school, taking MVP honors in football and volleyball...High school did not have baseball, but Terry played in several summer leagues in Canada...Enjoys all winter activities.

PUHL VS. NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.297	64	22	0	7
Montreal	.242	66	16	0	4
New York	.333	69	23	0	3
Philadelphia	.358	53	19	0	5
Pittsburgh	.244	45	11	1	1
St. Louis	.254	67	17	0	2
Atlanta	.261	87	23	0	6
Cincinnati	.264	91	24	2	8
Los Angeles	.286	98	28	0	2
San Diego	.303	99	30	0	6
San Francisco	.333	75	25	0	1

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1974 Covington	.284	59	211	42	60	11	0	0	21	24	26	17
1975 Dubuque	.332	104	346	57	115	10	2	0	28	41	30	30
1976 Columbus	.286	28	98	13	28	5	0	1	14	16	12	11
1976 Memphis	.266	105	372	50	99	17	3	1	39	60	57	18
1977 Charleston	.305	78	285	53	87	12	6	4	33	52	27	12
1977 Houston	.301	60	229	40	69	13	5	0	10	30	31	10
1978 Houston	.289	149	585	87	169	25	6	3	35	48	46	32
ML TOTALS	.292	209	814	127	238	38	11	3	45	78	77	42

8—PUJOLS, Luis Bienvenido (Luis)

Age 23, turns 24 on November 18 ... Born Bani, D.R., 11/18/55 ... Home — Bani, D.R. ... B-R, T-R ... 6-1, 195 ... Single.

How Obtained: Signed as a free agent, 1/17/73.

Major League Status: 95 days.

1978 Season: Opened season with Charleston where he batted .219 with two homers and 24 runs batted in in 61 games...Recalled by Astros on 6/29 after Joe Ferguson was dealt to the Dodgers ... Went from Houston Intercontinental Airport to the Astrodome by helicopter in order to arrive in time to start game vs. Reds on 6/29 ... Picked up first major league RBI with a double vs. S.D. on 6/30 ... Hit first major league home run on 7/14 @ Mont. off the Expos Hal Dues ... 10 of Luis' 20 base hits were for extra bases.



Career: Appeared with Astros in 1977 at conclusion of International League season ... Was member of Midwest All-Star team in 1975 when he led all catchers in overall defense ... Tied for league lead in double plays by a catcher (3) in 1973 Appalachian League play ... Led 1974 Appy. League in games, putouts and assists. Longest career hitting streak—2 games in 1978.

Personal/Misc.: Attended Francisco Gregorio Billini High School in Bani, D.R., where he played baseball ... Enjoys music.

PUJOLS VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.000	6	0	0	0
Montreal	.080	25	2	1	2
New York	.100	10	1	0	2
Philadelphia	.158	19	3	0	3
Pittsburgh	.071	14	1	0	0
St. Louis	.000	5	0	0	0
Atlanta	.158	19	3	0	0
Cincinnati	.250	16	4	0	1
Los Angeles	.074	27	2	0	0
San Diego	.190	21	4	0	3
San Francisco	.167	6	1	0	0

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1973 Covington	.267	26	86	8	23	2	0	1	4	6	21	1
1974 Cedar Rapids	.198	26	86	4	17	0	1	0	10	5	20	2
1974 Covington	.266	60	218	26	58	7	1	1	27	13	27	2
1975 Dubuque	.220	102	341	23	75	13	1	0	31	18	54	5
1976 Columbus	.197	53	142	12	28	2	0	2	16	10	21	1
1977 Charleston	.228	58	180	15	41	4	0	1	19	9	38	0
1977 Houston	.067	6	15	0	1	0	0	0	0	0	5	0
1978 Charleston	.219	61	196	22	43	6	1	2	24	15	52	0
1978 Houston	.131	56	153	11	20	8	1	1	11	12	45	0
ML TOTALS	.125	62	168	11	21	8	1	1	11	12	50	0

12—REYNOLDS, Gordon Craig (Craig) INF

Age 26, turns 27 on December 27 ... Born Houston, Texas 12/27/52 ... Home—Houston, Tex. ... B-L, T-R ... 6-1, 175 ... Married; Josey.

How Obtained: Acquired from the Seattle Mariners, 12/8/78, in exchange for pitcher Floyd Bannister.

Major League Status: 2 years, 92 days.

1978 Season: Member of the American League All-Star squad... Finished season with .292 average, five home runs and 44 runs batted in... His batting average was the 19th highest in the AL... Fanned just 41 times and grounded into only four doubleplays in 548 at bats on the season... Turned 102 doubleplays on the year, second highest total for AL shortstops.

Career: Batted .248 for the Mariners in 1977, his first full major league season... Batted .299 after July 14, 1977... Was third toughest AL hitter to fan in 1977... Began career in Pittsburgh organization in 1971... Originally signed as an outfielder... Third leading hitter in Gulf Coast League in 1971... Missed ten weeks of 1972 season with knee surgery... Led Carolina League in at bats, hits and doubleplays in 1973... Was a member of the International League All-Star team in 1975, when he finished fourth in the league in batting... Played 38 games with the Pirates in 1975 and 1976... Went to the Mariners along with Jimmy Sexton in exchange for pitcher Grant Jackson in December, 1976.

Personal/Misc.: Attended Houston's Reagan High School where he lettered in baseball and basketball and was All-City and All-District for three years on the diamond... Also was All-City and All-District for two basketball seasons... Class president and Outstanding High School Athlete in 1971... Attended Houston Baptist University... Was the Pirates first selection in the June, 1971, free agent draft... Hobbies include golf... Wife, Josey, is a graduate of Waltrip High School, Houston.



REYNOLDS VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.000	3	0	0	0
Montreal	.333	3	1	0	0
New York	.200	10	2	0	0
Philadelphia	.250	4	1	0	0
St. Louis	.300	10	3	1	1
Atlanta	.308	13	4	0	0
Cincinnati	.100	20	2	0	3
Houston	.300	10	3	0	0
San Francisco	.286	7	2	0	1

Has not faced Pittsburgh, Los Angeles and San Diego.

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1971 Bradenton	.318	48	192	26	61	8	0	0	16	18	10	6
1972 Gastonia	.240	41	146	18	35	4	1	0	9	14	15	6
1973 Salem	.287	138	558	75	160	18	5	13	86	38	60	14
1973 Charleston	.214	4	14	2	3	0	0	0	0	0	0	0
1974 Thetford Mines	.282	64	234	31	66	7	0	6	29	22	18	2
1974 Charleston	.336	36	107	12	36	5	0	0	5	8	7	1
1975 Charleston	.308	108	425	51	131	22	3	6	42	21	32	5
1975 Pittsburgh	.224	31	76	8	17	3	0	0	4	3	5	0
1976 Charleston	.290	126	497	57	144	18	1	2	47	35	34	12
1976 Pittsburgh	.250	7	4	1	1	0	0	1	1	0	0	0
1977 Seattle	.248	135	420	41	104	12	3	4	28	15	23	6
1978 Seattle	.292	148	548	57	160	16	7	5	44	36	41	9
ML TOTALS	.269	321	1048	107	282	31	10	10	77	54	69	15

CHAMPIONSHIP SERIES RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1975 Pittsburgh	.000	2	1	0	0	0	0	0	0	0	0	0

HOUSTON .300 HITTERS (502 or more at-bats)

1967	Rusty Staub	.333
1970	Denis Menke	.304
1972	Cesar Cedeno	.320
1973	Cesar Cedeno	.320
1974	Greg Gross	.314
1976	Bob Watson	.313
1978	Jose Cruz	.315

Bob Watson	.312
Bob Watson	.312

45—RICCELLI, Frank Joseph (Frank) LHP

Age 25, turns 26 on February 24...Born Syracuse, N.Y., 2/24/53...Home—Syracuse, N.Y....B-L, T-L...6-3, 200...Single.

How Obtained: Acquired from St. Louis, 6/8/78, in exchange for Bob Coluccio.

Major League Status: 50 days.

1978 Season: Opened season with Cardinals' Springfield club of the American Assn., where he was 3-3 in 10 appearances (eight starts)...Was acquired by Astros in exchange for outfielder Bob Coluccio on 6/8 and assigned to Charleston of the International League... Was 9-7 in 17 starts for the Charlies...His nine complete games at Charleston ranked fourth among all International League pitchers, although he didn't pitch in the league during the first full month of the season...Contract purchased by Astros on 9/10 at the



conclusion of International League post-season play...Made two relief appearances for Astros, giving up no runs on one hit in two innings vs. S.D. and no hits in one inning vs. the Giants. Led all International League pitchers in ERA.

Career: Signed with the Giants in 1971 as their first choice in June draft...Was 7-3 with Great Falls in 1971...Underwent shoulder surgery in 1974 post-season and came back with outstanding year in 1975, going 14-6 and leading the Texas League in innings pitched...Made major league debut in four games with the Giants in 1976.

Personal/Misc.: Graduated from Christian Brothers Academy High School in 1971, where he was All-City in baseball. Also played basketball and football...Enjoys hunting, pool and fishing.

RICCELLI VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Cincinnati	0-0	1	1	0	5.0	4	4	4	4	4	7.20
Houston	0-1	2	1	0	4.0	9	5	5	0	2	11.25
San Diego	1-0	2	1	0	9.0	4	1	1	1	6	1.00
San Francisco	0-0	1	0	0	1.0	0	0	0	0	0	0.00

Has faced only Cincinnati, Houston, San Diego and San Francisco.

MAJOR LEAGUE BATTING RECORD	AVG.	AB	H	2B	3B	HR	RBI
	.167	6	1	0	0	0	0

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1971	Great Falls	7-3	2.56	14	14	4	88	64	39	25	61	116
1972	Amarillo	9-9	3.18	25	25	6	164	142	74	58	76	183
1973	Phoenix	10-11	4.25	27	25	8	163	171	98	77	83	124
1974	Phoenix	3-7	6.16	19	13	0	73	95	65	50	49	28
1975	Lafayette	14-6	3.25	26	26	10	185	176	87	67	87	120
1976	Phoenix	9-11	4.93	30	30	3	166	181	110	91	114	95
1976	San Francisco	1-1	5.63	4	3	0	16	16	10	10	5	11
1977	Phoenix	8-9	6.35	27	26	4	163	176	124	115	138	135
1978	Springfield	3-3	3.06	10	8	3	50	51	23	17	28	51
1978	Charleston	9-7	2.79	17	17	9	123	98	55	38	61	93
1978	Houston	0-0	0.00	2	0	0	3	1	0	0	0	1
ML TOTALS		1-1	4.74	6	3	0	19	17	10	10	5	12

J. R. RICHARD'S 10-STRIKEOUT GAMES

YEAR	OPPONENT	DATE	TOTAL	YEAR	OPPONENT	DATE	TOTAL
1971	San Francisco	9/5	15*	1978	Cincinnati	4/16	11
1976	Los Angeles	8/4	10		San Diego	4/26	11
	San Diego	9/18	10		Philadelphia	5/9	11
	San Francisco	10/2	13		St. Louis	6/4	13
1977	Los Angeles	7/6	12		St. Louis	6/9	12
	Cincinnati	9/12	11		Los Angeles	7/9	12
	San Diego	9/17	10		Montreal	7/14	10
	Los Angeles	10/2	14		Philadelphia	7/18	10
					San Francisco	8/1	11
					Atlanta	8/6	11
					Atlanta	8/12	13
					San Diego	9/10	11
					San Diego	9/15	12
					Atlanta	9/19	11@

* = Denotes career high; reached in first major league game

@ = Denotes game in which he set new single season K mark for NL righthander

50—RICHARD. James Rodney (J.R.) RHP

Age 28, turns 29 on March 7...Born Vienna, La., 3/7/50...Home—Houston, Tex....B-R, T-R...6-8, 237...Married; Carolyn, five children; Paula, J.R., Jr., Patrick, Eric and Crystal Talaya.

How Obtained: Number one selection in regular phase of June, 1968, draft.

Major League Status: 5 years, 131 days.

1978 Season: Became tenth pitcher, third National Leaguer and first National League righthander in baseball history to strike out 300 or more batters in a single season...Surpassed Tom Seaver's total of 289, high single season strikeout total for a N.L. righthander, on 9/19 when he fanned the Braves' Bob Horner on a 1-2 pitch in the seventh inning...Got strikeout #300 when he fanned Atlanta's Rowland Office, 9/28 @Atl...Three-year win total of 56 is the highest of any N.L. righthander during that period...Started season with Opening Day loss in Cinn. on 4/9, then halted Astros five-game losing start with two-hit shutout over L.A., 1-0, on 4/11...Led staff in shutouts (3), complete games (16), starts (36), innings pitched (275.1), hits, runs, walks and strikeouts...Other two shutouts were a 5-0 two-hitter over Phila. on 5/15 and a four-hit, 13-0 white-washing of Atlanta on 5/20...Won five straight decisions in six starts from 8/21 thru 9/15 and won nine straight home games from 7/9 thru 9/10...Opposing hitters batted .197 vs. J.R. overall; .156 at home...Was 12-5 at home...Was selected N.L. Pitcher of the Month for July when he was 4-0 with a 1.29 ERA and 58 strikeouts in 56 innings...Was selected Player of the Week in the N.L. for the week ending 5/21. For the week, he was 2-0 (both complete game shutouts), allowing six hits and striking out 17 in 18 innings...Was Astros Champion of the Month for his Sept. efforts...Was two-time winner of Gillette Special Award, given in conjunction with "This Week in Baseball" television program...Won last six decisions and 12 of last 14...Homered vs. Atl. on 9/28 to become Astros leading pitcher in career home runs.



Career: Was second in the NL in strikeouts in 1977 and seventh best in earned run average...Led '77 Astros in wins, starts, complete games, innings pitched, walks and strikeouts...Chosen Astros MVP for 1976 by Houston BBWAA...Became second Astros 20-game winner in 1976...Was second in NL in strikeouts in 1976 and was third among league's 20-game winners in ERA...Tied Karl Spooner's major league record by striking out 15 in his first big league start, 9/15/71, vs. SF...Pitched no-hitter for Cocoa, Fla. in 1970. Longest career winning streak—6 games in 1978.

Personal/Misc.: Graduate of Lincoln High School, Ruston, La., where he compiled a 0.00 ERA in 1969. He also hit four consecutive home runs and drove in 10 runs in a single game in 1969. The final score: Lincoln 48, Jonesboro Jackson 0...Is an avid fisherman. Appeared in ABC's "Superstars" competition earlier this year.

RICHARD VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	6-4	13	13	2	85.1	69	45	41	45	69	4.34
Montreal	7-3	15	12	5	88.0	70	45	29	49	70	2.97
New York	6-2	9	9	5	73.1	52	17	16	40	42	1.97
Philadelphia	6-4	12	12	5	83.2	73	36	33	35	75	3.54
Pittsburgh	3-7	13	11	2	78.0	69	41	37	39	58	4.27
St. Louis	4-2	10	9	3	67.2	47	31	30	31	73	3.97
Atlanta	10-6	22	21	5	146.2	101	53	45	84	144	2.76
Cincinnati	8-8	22	20	3	124.2	123	77	70	83	115	5.04
Los Angeles	9-4	22	18	10	157.0	101	37	37	59	149	2.12
San Diego	10-7	20	18	8	137.0	107	54	52	68	130	3.42
San Francisco	10-7	25	23	5	150.1	130	73	59	105	136	3.54

MAJOR LEAGUE BATTING RECORD

AVG.	AB	H	2B	3B	HR	RBI
.179	418	75	7	2	7	41

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1969 Covington	5-4	6.59	12	12	0	56	51	50	41	52	71
1970 Cocoa	4-11	2.39	19	19	4	109	67	53	29	68	138
1971 Okla. City	12-7	2.45	24	24	8	173	116	55	47	105	202
1971 Houston	2-1	3.43	4	4	1	21	17	9	8	16	29
1972 Okla. City	10-8	3.02	19	19	6	128	94	57	43	79	169
1972 Houston	1-0	13.50	4	1	0	6	10	9	9	8	8
1973 Denver	2-4	5.71	8	8	1	52	54	39	33	26	66
1973 Houston	6-2	4.00	16	10	2	72	54	37	32	38	75
1974 Columbus	5-8	5.38	13	13	4	87	103	65	52	61	77
1974 Denver	4-0	0.00	4	4	3	33	15	2	0	12	26
1974 Houston	2-3	4.15	15	9	0	65	58	31	30	36	42
1975 Houston	12-10	4.39	33	31	7	203	178	107	99	138	176
1976 Houston	20-15	2.75	39	39	14	291	221	105	89	151	214
1977 Houston	18-12	2.97	36	36	13	267	212	94	88	104	214
1978 Houston	18-11	3.11	36	36	16	275	192	104	95	141	303
ML TOTALS	79-54	3.38	183	166	53	1200	942	496	450	632	1061

48—RUHLE, Vernon Gerald (Vern) RHP

Age 28, turns 29 on January 25...Born Coleman, Mich., 1/25/51...Home—Canton, MI...B-R, T-R...6-1, 187...Married; Darlene, one child; Rebecca.

How Obtained: Signed as a free agent, 4/2/78, following release by Detroit.

Major League Status: 3 years, 40 days.

1978 Season: Signed as a free agent with Houston after being released in spring training by Detroit... Assigned to Columbus where he was 4-1 in five starts. Completed four games and had a 1.85 ERA...Elevated to Charleston on 5/8 where he was 4-4 with a 2.78 ERA...Contract purchased by Astros on 7/19...Picked up first N.L. win on 8/5 when he tossed a four-hit shutout and defeated Atlanta, 7-0 @Atl...All three of his wins came vs. the Braves...Was 3-2 in nine starts and 0-1 in four relief appearances...2.12 ERA led the staff...In four Astrodome appearances, Vern was 1-0 with a 0.47 ERA.

Career: Opened the 1977 season with the Tigers and won three one-run decisions...Placed on DL May 20 and optioned to Evansville June 16...Made six appearances with the Tigers after being recalled in September...Signed by Tigers in 1972...Won a combined 20 games with three clubs in 1974, including five straight complete games...Has a 28-32 lifetime major league record. Longest career winning streak—2 games in 1978.

Personal/Misc.: Played baseball, basketball and football at Coleman High School, Coleman, Mich....Attended Olivet College and graduated with a degree in business administration in 1975...Played college baseball...Hobbies include hunting, fishing and golf.



RUHLE VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	0-1	1	1	0	5.2	8	4	4	2	1	6.00
Montreal	0-0	1	1	0	8.0	7	1	1	0	6	1.13
New York	0-0	1	1	0	3.1	7	2	2	2	1	6.00
Pittsburgh	0-1	2	1	0	3.0	5	4	4	2	1	12.00
St. Louis	0-0	1	0	0	1.0	0	0	0	0	0	0.00
Atlanta	3-0	3	3	2	25.0	13	0	0	6	11	0.00
Cincinnati	0-0	1	1	0	6.0	5	3	3	4	1	4.50
San Diego	0-0	1	1	0	7.0	2	1	1	2	2	1.29
San Francisco	0-1	2	1	0	9.0	10	2	1	3	4	1.00

Has not faced Philadelphia and Los Angeles.

MAJOR LEAGUE BATTING RECORD

AVG.	AB	H	2B	3B	HR	RBI
.056	18	1	0	0	0	1

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1972 Bristol	0-2	1.29	4	3	2	28	24	6	4	5	30
1972 Rocky Mount	5-8	4.75	13	13	3	72	87	53	38	28	53
1973 Lakeland	6-5	2.06	15	15	8	96	81	27	22	24	67
1973 Montgomery	6-2	2.89	10	10	5	81	72	33	26	17	34
1974 Montgomery	5-0	0.60	5	5	5	45	29	6	3	12	32
1974 Evansville	13-5	4.03	22	22	10	156	178	80	70	42	94
1974 Detroit	2-0	2.73	5	3	1	33	35	13	10	6	10
1975 Detroit	11-12	4.03	32	31	8	190	199	104	85	65	67
1976 Detroit	9-12	3.92	32	32	5	200	227	99	87	59	88
1977 Evansville	1-4	6.85	10	4	0	21	31	19	16	9	15
1977 Detroit	3-5	5.70	14	10	0	66	83	44	42	15	27
1978 Columbus	4-1	1.85	5	5	4	39	32	9	8	8	25
1978 Charleston	4-4	2.78	13	13	5	94	89	36	29	16	48
1978 Houston	3-3	2.12	13	10	2	68	57	17	16	20	27
ML TOTALS	28-32	3.88	96	86	16	557	601	277	240	165	219

35—SAMBITO, Joseph Charles (Joe) LHP

Age 26, turns 27 on June 28...Born Brooklyn, N.Y., 6/28/52...Home—St. Petersburg, Fla....B-L, T-L...6-1, 190...Married; Denise, one child; Michael.

How Obtained: Astros 17th round selection in regular phase of June, 1973 draft.

Major League Status: 2 years, 82 days.

1978 Season: Astros No. 1 lefthanded relief man...Didn't allow an earned run in first three appearances (seven innings), picking up a win on 4/12 vs. L.A....Put together another scoreless string of nine games (13 innings) from 4/16 thru 5/16...Broke three-game losing string with relief win over St.L on 6/2...Final scoreless string ran 13 games (15.2 IP) from 7/21 thru 8/23...Led club in appearances (62) and saves (11)...Despite 2.30 ERA on the road and a .207 opposition batting average away from home, Joe's road record was 0-5.



SAMBITO (Continued)

Career: Led club in appearances and earned run average in 1977 and was second in saves (7)...Made first major league start, 8/15/76, vs. Pitt....Led Southern League in innings pitched, strikeouts, batters faced, hits and tied for league lead in games started in 1975...Tied for Appalachian League lead in shutouts, putouts and double plays by a pitcher in 1973...Pitched four-hit shutout, 8/29/76, vs. St. L....Longest career winning streak—3 games in 1977.

Personal/Misc.: Was All-League in football and baseball at Bethpage High School, Bethpage, N.Y....Attended Adelphi University, Garden City, NY, where he played football and baseball and was a baseball All-American in 1973...Enjoys fishing, tennis and golf in his spare time.

SAMBITO VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	1-1	15	0	0	27.0	23	7	7	3	18	2.33
Montreal	0-0	2	0	0	12.0	11	1	1	6	11	0.75
New York	1-4	13	0	0	21.0	21	12	8	9	20	3.43
Philadelphia	0-1	8	0	0	8.2	9	4	4	2	10	4.00
Pittsburgh	0-1	13	1	0	24.0	28	12	11	12	31	4.13
St. Louis	3-0	10	1	1	21.1	12	2	2	6	12	0.86
Atlanta	1-2	14	0	0	17.1	13	9	9	5	15	4.76
Cincinnati	1-2	17	1	0	34.2	32	14	12	7	32	3.09
Los Angeles	1-3	12	2	0	27.1	31	12	8	9	13	2.67
San Diego	2-1	16	0	0	20.0	15	5	4	9	14	1.80
San Francisco	2-1	16	0	0	24.0	16	8	7	9	18	2.63

MAJOR LEAGUE BATTING RECORD

AVG.	AB	H	2B	3B	HR	RBI
.179	28	5	0	0	0	2

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1973 Columbus	0-0	18.00	1	1	0	2	4	4	4	1	2
1973 Covington	4-2	1.47	11	6	5	55	32	18	9	13	57
1974 Cedar Rapids	11-8	3.00	23	23	12	156	133	59	52	49	182
1975 Columbus	12-9	3.01	30	28	10	209	200	85	70	85	140
1976 Columbus	8-2	1.80	12	12	8	100	77	27	20	23	61
1976 Memphis	3-0	6.26	5	3	0	27	37	19	19	13	17
1976 Houston	3-2	3.57	20	4	1	53	45	21	21	14	26
1977 Houston	5-5	2.33	54	1	0	89	77	34	23	24	67
1978 Houston	4-9	3.07	62	0	0	88	85	32	30	32	96
ML TOTALS	12-16	2.90	136	5	1	230	207	87	74	70	189

24—SEXTON, Jimmy Dale (Jimmy) INF

Age 27, turns 28 on December 15...Born Mobile, Ala., 12/15/51 ...Home—Wilmer, Ala...B-R, T-R...5-11, 175...Married; Robin Melissa, one child; Carrie Alisha.

How Obtained: Acquired from Seattle, 12/5/77, in exchange for Leon Roberts.

Major League Status: 1 year, 32 days.

1978 Season: Battled with Roger Metzger and others for starting shortstop spot in spring training...Brilliant speed made him Astros top pinch-runner...Was starting shortstop in early May but slumped at plate...Collected first N.L. home run @ Atl. on 8/5. Also homered vs. Pitt. on 8/25...Hit safely in six straight games from 8/18 thru 8/22, going 7-for-20 (.350) over that period...Was successful on 16 of 18 stolen base attempts, including 11 in a row from 6/26 thru 9/19...Was perfect in four steal attempts as a pinch-runner.

Career: Stole 52 bases in 58 attempts while playing in the Pacific Coast League in 1977...Traded along with shortstop Craig Reynolds by Pittsburgh to Seattle in exchange for lefthanded pitcher Grant Jackson, 12/7/76...Has stolen 202 bases from 1973 thru 1978...Led all New York-Pennsylvania League shortstops in fielding in 1972, while playing for Niagara Falls...Led all shortstops in fielding in the Eastern League in 1974 while with Thetford Mines...Led Texas League in stolen bases with 48 in 1975. Longest career hitting streak—6 games in 1978.

Personal/Misc.: Graduated from Mary G. Montgomery High School, Semmes, Alabama, where he was an all-star in baseball and also lettered in football...Hobbies include hunting, fishing and the outdoors.



SEXTON (Continued)

SEXTON VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.222	18	4	0	2
Montreal	.267	15	4	0	0
New York	.250	4	1	0	0
Philadelphia	.000	1	0	0	1
Pittsburgh	.219	32	7	1	1
St. Louis	.136	22	3	0	0
Atlanta	.125	16	2	1	2
Cincinnati	.000	3	0	0	0
San Diego	.444	9	4	0	0
San Francisco	.190	21	4	0	0

Has not faced Los Angeles.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1970	Bradenton Pirates	.283	33	113	17	32	2	0	0	7	23	19	8
1971	Bradenton Pirates	.244	35	119	23	29	2	1	0	11	38	16	8
1972	Niagara Falls	.288	69	212	41	61	2	3	0	23	52	38	15
1973	Salem	.269	124	446	86	120	17	3	3	39	85	82	28
1974	Thetford Mines	.249	115	350	53	87	14	1	3	32	72	57	31
1975	Shreveport	.274	103	383	82	105	23	5	3	28	53	64	48
1976	Shreveport	.324	59	207	43	67	14	2	4	30	30	35	12
1976	Charleston, WV	.273	49	154	21	42	8	1	3	12	12	25	13
1977	San Jose	.256	89	305	63	78	13	5	2	23	55	41	52
1977	Seattle	.216	14	37	5	8	1	1	1	3	2	6	1
1978	Houston	.206	88	141	17	29	3	2	2	6	13	28	16
ML TOTALS		.208	102	178	22	37	4	3	3	9	15	34	17

29—WALLING, Dennis Martin (Denny) OF

Age 24, turns 25 on April 17...Born Neptune, N.J., 4/17/54...Home—Waynesboro, Va....B-L, T-R...6-0½, 185...Married: Teresa. One child; Heather.

How Obtained: Acquired from Oakland, 6/15/77, for Willie Crawford.

Major League Status: 1 year, 61 days.

1978 Season: Unanimous selection to Baseball Bulletin's All-Rookie N.L. squad...Batted .256 (10-for-39) as a pinch-hitter with a club-high 11 runs batted in...Hit first home run on 5/20 vs. Atl., going 2-for-5 and driving in three runs...Following Puhl's move to center field, Denny shared left field time with Alou, Bergman and Howard before becoming the regular left-fielder on 8/15...Put together hitting streaks of four, four and six games in late August and early September, raising his average from .224 to .258 over a three-week period...Despite getting only 247 at-bats, ranked fifth on the club in runs batted in...Hit in 17 of 21 games from 8/26 thru 9/19; 22-for-74 (.297).



Career: While with San Jose, missed part of 1977 season with broken wrist...Assigned to Charleston when acquired by Astros in June, 1977...Reported to Astros 9/25/77 and batted .286 for Houston, including a 3-for-4 performance @LA on 10/2...Was Oakland's No. 1 pick in June, 1975, free agent draft...Hit two pinch-hit grand slams for Charleston in 1977...Collected pinch-hit double in first major league at-bat, 9/10/76, vs. Kansas City. Longest career hitting streak—6 games in 1978.

Personal/Misc.: Graduate of Howell High School, Farmingdale, N.J., where he was a football, baseball and basketball star...Graduated from Brookdale Community College, Lincroft, N.J. in 1974...Enrolled in Clemson University, where he played for one year before signing with Oakland...All-American centerfielder twice...Enjoys hunting, amateur photography and tennis.

WALLING VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.289	38	11	0	3
Montreal	.200	5	1	0	0
New York	.000	7	0	0	1
Philadelphia	.125	8	1	0	0
Pittsburgh	.258	31	8	0	3
St. Louis	.364	22	8	0	6
Atlanta	.308	26	8	1	6
Cincinnati	.237	38	9	1	5
Los Angeles	.204	49	10	0	10
San Diego	.324	34	11	1	6
San Francisco	.100	10	1	0	2

WALLING (Continued)

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1975	Oakland	.125	6	8	0	1	1	0	0	2	0	4	0
1976	Chattanooga	.257	115	369	48	95	15	5	9	42	58	51	20
1976	Oakland	.273	3	11	1	3	0	0	0	0	0	3	0
1977	San Jose	.300	3	10	1	3	0	0	0	4	1	0	0
1977	Charleston	.348	29	89	17	31	4	1	4	14	12	10	2
1977	Houston	.286	6	21	1	6	0	1	0	6	2	4	0
1978	Houston	.251	120	247	30	62	11	3	3	36	30	24	9
ML TOTALS		.251	135	287	32	72	12	4	3	44	32	35	9

31—WARTHEN, Daniel Dean (Dan)

LHP

Age 26, turns 27 on December 1...Born Omaha, Neb., 12/1/52...Home — Papillion, Neb....B-S, T-L...6-0, 200...Single.

How Obtained: Acquired from Philadelphia, 9/2/78, in exchange for Dan Larson.

Major League Status: 2 years, 72 days.

1978 Season: Acquired by Astros from Phillies' Oklahoma City club in exchange for Dan Larson on 9/2...Winner of the Allie Reynolds Award as the American Association's top pitcher in 1978...Led the league in innings pitched (196) and strikeouts (144) and was second in the league in victories (13)...Reported to Astros on 9/4 and worked one inning that night vs. Cinn., giving up a pair of runs on two hits, including a Johnny Bench home run...Started and worked eight strong innings vs. S.F. on 9/29, giving up two runs on five hits in a losing effort, 2-1.



Career: Began professional career with Expos' Watertown farm club in 1971...Made major league debut in 1975...Traded along with catcher Barry Foote to Phila., 6/15/77, for Wayne Twitchell and Tim Blackwell...Split 1977 season between Expos, Phillies and Oklahoma City...Pitched for Zulia in the Venezuelan Winter League following '77 season and won six of first seven decisions.

Personal/Misc.: Was No. 2 selection of Expos in June, 1971 draft...Nine letterman at North High School in Omaha...Had football and baseball scholarship offers from Nebraska, USC, UCLA, Michigan and Northwestern...Also played basketball and wrestled during the off-season...Enjoys hunting, fishing, sailing and four-wheeling.

WARTHEN VS. THE NATIONAL LEAGUE

N.L. CLUB	W-L	G	GS	GC	IP	H	R	ER	BB	SO	ERA
Chicago	0-4	5	5	0	20.0	20	19	19	21	12	8.55
Montreal	0-1	1	0	0	1.0	3	3	0	1	0	0.00
New York	2-1	8	5	1	37.0	24	13	15	21	25	3.65
Philadelphia	1-2	5	3	0	17.2	16	12	12	8	13	6.00
Pittsburgh	1-2	8	5	0	32.0	31	22	20	22	26	5.63
St. Louis	3-2	12	4	1	55.0	49	18	14	26	36	2.29
Atlanta	1-1	8	5	1	35.0	15	10	9	25	16	2.31
Cincinnati	0-1	11	3	0	23.0	23	22	19	24	21	7.43
Houston	0-0	5	0	0	6.0	13	5	5	3	3	7.50
Los Angeles	0-1	2	2	0	14.0	8	5	5	5	9	3.21
San Diego	1-2	5	4	0	22.0	25	17	14	13	25	5.73
San Francisco	3-4	13	4	1	42.0	28	18	18	29	27	3.86

MAJOR LEAGUE BATTING RECORD

AVG.	AB	H	2B	3B	HR	RBI
.079	89	7	0	0	0	1

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1971	Watertown	9-3	3.96	14	14	10	109	109	64	48	49	101
1972	Quebec	3-4	4.11	10	7	3	46	40	24	21	20	38
1973	Quebec	8-6	3.57	36	17	2	141	106	71	56	107	102
1974	Quebec	5-6	3.07	14	14	6	91	81	40	31	57	56
1974	Memphis	6-2	3.24	14	13	1	86	79	39	31	41	70
1975	Memphis	2-5	2.35	8	8	2	54	32	16	14	30	48
1975	Montreal	8-6	3.11	40	18	2	168	130	62	58	87	128
1976	Denver	4-0	3.18	8	4	2	34	22	17	12	20	34
1976	Montreal	2-10	5.30	23	16	2	90	76	59	53	66	67
1977	Oklahoma City	1-1	9.90	7	4	0	16	12	17	16	28	23
1977	Mont-Phillies	2-4	7.15	15	6	1	39	37	37	31	43	27
1978	Oklahoma City	13-8	4.09	27	27	12	196	181	116	89	110	144
1978	Houston	0-1	4.09	5	1	0	11	10	5	5	2	2
ML TOTALS		12-21	4.30	83	41	5	308	253	163	147	198	224

27—WATSON, Robert Jose (Bob, Bull) 1B

Age 32, turns 33 on April 10...Born Los Angeles, Calif., 4/10/46...Home—Houston, Tex....B-R, T-R...6-2, 208...Married; Carol, two children; Keith and Kelley.

How Obtained: Signed as free agent in January, 1965.

Major League Status: 10 years, 84 days.

1978 Season: Astros Champion of the Month for June, when he batted .333 (29-for-87) with four home runs and 19 runs batted in. During June, he raised his average from .265 to .291...In June, set a club record by driving in a run in nine consecutive games...Became Astros all-time leader in career hits (1,409) and runs batted in (764) and moved into second place in career doubles...Hit in 17 of 22 games in April, including a 10-game hitting streak...Drove in four runs with a pair of hits vs. the Cards on 6/10 @ St.L....Hit in 17 straight games from 7/22 thru 8/9, just two games shy of his career streak. During the streak, Bob raised his average from .280 to .298 and dipped no lower than .289 for the remainder of the year...Missed 14 games with pulled hamstring suffered in game @St. Louis on 8/16...Was second to Cruz in RBI and fourth in base hits.

Career: In 1977, led Astros in doubles, home runs and runs batted in and also set a club record for career runs batted in...Is leading Astro in career batting average and runs batted in, second in games played, third in at bats, runs, doubles, total bases, extra base hits and slugging percentage and fourth in home runs. Longest career hitting streak—19 games in 1973.

Personal/Misc.: Scored one millionth run in baseball history...NL All-Star in 1973 and 1975...Attended Freemont High, Los Angeles, where he played baseball and football...Was All-City...Attended Harbour JC, where he was an All-American in baseball...Was Astros MVP in 1975 by vote of Houston BBWAA...Enjoys Jazz music and fishing.



WATSON VS. THE NATIONAL LEAGUE

N.L. CLUB	AVG.	AB	H	HR	RBI
Chicago	.293	358	105	8	61
Montreal	.273	322	88	10	48
New York	.320	337	108	8	52
Philadelphia	.291	327	95	10	54
Pittsburgh	.286	353	101	10	61
St. Louis	.271	365	99	5	50
Atlanta	.299	562	168	18	79
Cincinnati	.280	554	155	19	89
Los Angeles	.308	532	164	15	85
San Diego	.346	491	170	21	101
San Francisco	.301	519	156	12	84

COMPLETE PROFESSIONAL RECORD

YEAR CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1965 Salisbury	.421	80	209	51	88	20	3	12	55	41	52	8
1966 Cocoa	.302	105	348	56	105	21	8	10	55	45	48	2
1966 Houston	.000	1	1	0	0	0	0	0	0	0	0	0
1967 Amarillo	.279	96	351	73	98	14	5	14	60	41	44	6
1967 Oklahoma City	.264	41	148	18	39	4	2	5	15	8	25	0
1967 Houston	.214	6	14	1	3	0	0	1	2	0	3	0
1968 Oklahoma City	.395	20	76	14	30	7	2	5	16	9	16	0
1968 Houston	.229	45	140	13	32	7	0	2	8	13	32	1
1969 Savannah	.260	26	96	19	25	4	0	4	10	9	12	2
1969 Oklahoma City	.408	61	223	41	91	14	4	7	48	20	27	1
1969 Houston	.275	20	40	3	11	3	0	0	3	6	5	0
1970 Houston	.272	97	327	48	89	19	2	11	61	24	59	1
1971 Houston	.288	129	468	49	135	17	3	9	67	41	56	0
1972 Houston	.312	147	548	74	171	27	4	16	86	53	83	1
1973 Houston	.312	158	573	97	179	24	3	16	94	85	73	1
1974 Houston	.294	150	524	69	156	19	4	11	67	60	61	3
1975 Houston	.324	132	485	67	157	27	1	18	85	40	50	3
1976 Houston	.313	157	585	76	183	31	3	16	102	62	64	3
1977 Houston	.289	151	554	77	160	38	6	22	110	57	69	5
1978 Houston	.289	139	461	51	133	25	4	14	79	51	57	3
ML TOTALS	.299	1332	4720	625	1409	237	30	136	764	492	612	21

FIRST CHOICES IN JUNE DRAFTS

1965	Alex Barrett, SS	1972	Steve Englishby, OF
1966	Wayne Twitchell, RHP	1973	Calvin Portley, SS
1967	John Mayberry, 1B-OF	1974	Kevin Drake, OF
1968	Martin D. Cott, C	1975	Bo McLaughlin, RHP
1969	J. R. Richard, RHP	1976	Floyd Bannister, LHP
1970	Randy Scarbery, RHP	1977	Ricky Adams, SS
1971	Neil Rasmussen, SS	1978	Rob Boxberger, RHP

33—WIEDENBAUER, Thomas John (Tom) OF

Age 20, turns 21 on November 5...Born Menomonie, Wisconsin, 11/5/58...Home—Tucson, Arizona...B-R, T-R...6-1, 175...Single.

How Obtained: Seventh round selection in regular phase of June, 1976, free agent draft.

Major League Status: None.

1978 Season: Opened season at Columbus, where he was club's leadoff man...Injured right knee on 4/17 and didn't return to action until 5/10...Reinjured knee on 6/14 and underwent surgery...Finished season batting .269 in 27 games...Is considered outstanding baserunner and outfielder and also possesses strong throwing arm.

Career: Began professional career with Covington, batting .207 in 55 games...Hit .280 in 124 games with Cocoa in 1977.

Personal/Misc.: Graduated from Sajuaro High School, Tucson, Arizona in 1976.



COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1976	Covington	.207	55	193	21	40	8	1	0	14	17	53	2
1977	Cocoa	.280	124	435	47	122	9	1	2	34	24	45	16
1978	Columbus	.269	27	93	10	25	2	0	0	6	10	14	7

41—WILSON, Gary Steven (Gary) RHP

Age 24, turns 25 on November 21...Born Camden, Arkansas, 11/21/54...Home—Camden, Ark....B-R, T-R...6-2, 180...Married; Carmen.

How Obtained: Number One selection in January, 1976, free agent draft.

Major League Status: None.

1978 Season: Spent entire season at Charleston, where he was 14-7 with a 3.87 ERA...Tossed a seven-hitter and allowed only one earned run, but took the loss, 3-1, in Charleston's final International League playoff game with Richmond...Has a good fastball, curve and changeup.

Career: Began career with Dubuque in 1976, going 10-12 in 24 starts...Split 1977 between Columbus, where he was 10-9, and Charleston, where he was 3-2.

Personal/Misc.: Graduate of Fairview High School, Camden, Ark., where he ran track and played baseball and football...Attended Southern Arkansas University, Magnolia, Ark., for three years...Played college football and baseball.



COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1976	Dubuque	10-12	4.23	24	24	10	151	169	99	71	84	117
1977	Columbus	10-9	3.48	22	22	10	145	131	61	56	73	102
1977	Charleston	3-2	3.83	8	7	3	52	61	26	22	25	23
1978	Charleston	14-7	3.87	28	27	8	184	202	92	79	69	87

ASTROS MOST VALUABLE PLAYERS

(As voted by Houston Chapter of Baseball Writers Association of America)

1962	Bob Lillis	1970	Joe Morgan
1963	Hal Woodeshick	1971	Don Wilson
1964	Bob Aspromonte	1972	Cesar Cedeno
1965	Jim Wynn	1973	Roger Metzger
1966	Rusty Staub	1974	Greg Gross
1967	Rusty Staub	1975	Bob Watson
1968	Denis Menke	1976	J. R. Richard
1969	Larry Dierker	1977	Jose Cruz
		1978	Enos Cabell

NON ROSTER PLAYERS INVITED TO SPRING TRAINING

58—ALOI, David Brian (Dave)

RHP

Age 23, turns 24 on October 3...Born Vallejo, California 10/3/55...Home—West Covina, Calif...B-R, T-R...6-1, 185...Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1973	Covington	1-5	3.46	11	9	3	52	47	29	20	36	54
1974	Cedar Rapids	3-6	3.97	32	11	1	93	84	55	41	52	97
1975	Dubuque	8-4	1.69	22	13	8	117	106	36	22	32	101
1975	Columbus	2-5	4.40	8	8	2	45	45	24	22	15	33
1976	Columbus	7-16	3.75	29	28	12	185	188	91	77	92	89
1977	Columbus	7-8	3.91	22	13	5	99	98	54	43	39	68
1978	Columbus	5-1	3.25	30	0	0	72	61	32	26	28	55
1978	Charleston	1-1	7.41	11	0	0	17	26	16	14	10	11

64—AUGUSTINE, David Ralph (Dave)

OF

Age 30, turns 31 on November 28...Born Follansbee, West Virginia 11/28/49...Home—Charleston, W.Va....B-R, T-R...6-2, 175...Married; Debby.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1969	Gastonia	.227	110	423	61	96	8	2	5	40	39	107	8
1969	Bradenton	.255	13	47	5	12	2	0	0	7	1	9	3
1970	Gastonia	.309	86	259	35	80	13	2	2	26	23	30	10
1971	Salem	.247	127	482	79	119	13	3	7	40	47	76	36
1972	Sherbrooke	.301	140	562	88	169	27	1	12	52	41	67	12
1973	Charleston	.276	125	431	59	119	24	3	7	52	26	56	6
1973	Pittsburgh	.286	11	7	1	2	1	0	0	0	0	1	0
1974	Charleston	.217	86	286	29	62	13	0	8	30	16	46	4
1974	Pittsburgh	.182	18	22	3	4	0	0	0	00	0	5	0
1975	Charleston	.217	75	191	12	45	2	2	1	19	15	34	5
1976	Charleston	.259	100	297	40	77	9	3	5	24	11	43	10
1977	Columbus	.229	127	406	52	93	15	10	4	44	32	55	10
1978	Charleston	.264	99	288	25	76	11	1	1	23	0	9	2
MAJOR LEAGUE TOTALS		.207	29	29	4	6	1	0	0	0	0	6	0

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1978	Charleston	0-0	4.50	2	0	0	2	4	2	1	1	0

44—HARDY, Howard Lawrence (Larry)

RHP

Age 31, turns 32 on January 10...Born Goose Creek, Texas 1/10/48...Home—Arlington, Tx...B-R, T-R...5-11, 172...Married; Vicki.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1970	Kennewick	0-1	2.25	1	1	1	8	7	2	2	0	10
1970	Lodi	3-8	4.23	11	11	8	83	95	52	39	22	77
1971	Lodi	7-10	3.53	44	2	1	97	98	45	38	36	75
1972	Alexandria	7-7	1.36	46	0	0	86	68	18	13	33	61
1973	Hawaii	6-5	3.60	36	6	2	115	109	52	46	36	65
1974	Hawaii	0-2	4.50	3	1	0	12	15	6	6	10	13
1974	San Diego	9-4	4.68	76	1	0	102	129	58	43	44	57
1975	Hawaii	6-4	3.62	37	1	1	87	84	39	35	30	66
1975	San Diego	0-0	12.00	3	0	0	3	8	6	4	2	3
1976	Houston	0-0	6.95	15	0	0	22	34	19	17	10	10
1976	Memphis	2-1	4.15	29	0	0	52	55	38	24	18	30
1977	Charleston	2-5	6.28	32	1	0	43	58	33	30	19	23
1978	Charleston	3-3	1.75	28	0	0	46	41	11	9	9	24
MAJOR LEAGUE TOTALS		9-4	4.54	55	1	0	127	171	83	64	56	70

56—HOLLAND, John Franklin (John)

C

Age 20, turns 21 on September 14...Born Florence, South Carolina, 9/14/58...Home—Florence, S.C....B-R, T-R...6-1½, 197...Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1978	Sarasota	.268	28	97	8	26	6	2	1	12	5	16	0
1978	Daytona	.297	13	37	4	11	3	0	0	1	8	7	0

57—JOINER, James Lewis (Jim) C

Age 24, turns 25 on August 4...Born Deland, Florida, 8/4/54...Home—Deland, Fla...B-L, T-R...6-0, 194...Married; Debbie.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
------	------	-----	---	----	---	---	----	----	----	-----	----	----	----

1978 Daytona

.167 26 66 6 11 3 0 1 6 13 23 0

63—KNICELY, Alan Lee (Alan) C

Age 23, turns 24 on May 19 ... Born Harrisonburg, Virginia, 5/19/55 ... Home—Dayton, Va ... B-R, T-R ... 6-0½, 194 ... Married; Patty, one child; Bradley Alan.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1974	Covington	7-3	3.44	12	12	5	81	78	35	31	42	53
1975	Dubuque	4-10	3.61	26	20	4	122	113	59	49	62	87
1976	Dubuque	7-3	3.95	24	12	5	107	100	58	47	62	87
1977	Columbus	1-5	5.14	14	5	0	42	40	32	24	25	25

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1978	Columbus	.227	140	427	51	97	13	2	15	50	52	112	3

53—MIGGINS, Mark Kenneth (Mark) LHP

Age 24, turns 25 on May 6 ... Born Teaneck, New Jersey 5/6/54 ... Home—Miami, Florida ... B-L, T-L ... 6-3, 185 ... Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1977	Cocoa	6-6	2.61	26	10	7	93	78	36	27	40	43
1978	Columbus	4-11	3.63	30	14	6	119	111	58	48	63	43

59—RUFFLER, Kevin John (Kevin) C

Age 23, turns 24 on August 24 ... Born Brooklyn, N.Y., 8/24/55 ... Home—Staten Island, N.Y. ... B-R, T-R ... 5-9, 188 ... Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1978	Sarasota	.196	34	112	8	22	8	0	2	19	11	14	1
1978	Daytona	.083	5	12	1	1	0	0	0	4	3	3	0

66—SMITH, David Stanley (Dave) RHP

Age 23, turns 24 on January 21 ... Born San Francisco, California, 1/21/55 ... Home—San Diego, Calif ... B-R, T-R ... 6-1, 195 ... Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1976	Covington	5-5	2.69	15	12	6	97.0	80	40	29	28	71
1977	Cocoa	7-5	3.10	14	14	6	93.0	97	40	32	31	81
1977	Columbus	3-5	3.50	9	9	3	54.0	52	26	21	24	29
1978	Columbus	10-13	3.48	26	26	9	181.0	170	89	70	88	114

52—TURNES, Jose L. (Jose) C

Age 23, turns 24 on October 29...Born Caracas, Venezuela 10/29/55...Home—Caracas, Venezuela...B-R, T-R...6-1, 185..Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1977	Sarasota	.208	39	130	15	27	5	2	0	13	11	33	3
1978	Daytona	.197	71	214	0	42	5	1	0	16	18	54	1
1978	Columbus	.500	2	2	0	1	0	0	0	0	0	1	0

62—TYLER, Michael Ovid (Mike) C

Age 25, turns 26 on March 3...Born Manhattan, New York, 3/4/54...Home—Seaford, N.Y....B-L, T-R...5-11, 180...Single.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1975	Covington	.300	42	140	18	42	6	1	1	21	12	15	2
1976	Dubuque	.266	89	286	76	105	8	3	5	39	30	26	5
1976	Columbus	.215	32	79	11	17	4	1	0	6	11	7	0
1977	Columbus	.242	49	149	14	36	5	1	0	14	8	18	2
1978	Charleston	.265	76	211	17	56	9	2	5	24	25	24	2

65—WILLIAMS, Richard Allen (Rick) RHP

Age 26, turns 27 on November 9...Born Merced, California, 11/9/52...Home—El Nido, Calif....B-R, T-R...6-1, 180...Married; Ella, one child; Lavonya Riquel.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	W-L	ERA	G	GS	CG	IP	H	R	ER	BB	SO
1972	Cocoa	3-5	1.86	8	8	5	58	52	23	12	23	37
1973	Cedar Rapids	7-6	3.31	23	17	3	117	135	52	43	36	93
1974	Columbus	8-3	3.94	32	6	2	105	115	65	46	40	45
1975	Columbus	8-7	2.67	22	15	6	118	111	46	35	35	46
1975	Des Moines	1-0	14.14	4	0	0	7	15	14	11	6	2
1976	Columbus	7-7	2.65	24	19	10	146	134	49	43	46	53
1977	Charleston	9-11	3.01	29	29	12	206	188	94	69	59	86
1978	Charleston	8-1	2.37	11	11	5	80	69	28	21	18	31
1978	Houston	1-2	4.63	17	1	0	34.2	43	19	18	10	17
ML TOTALS		1-2	4.63	17	1	0	34.2	43	19	18	10	17

51—WOODS, Gary Lee (Gary) OF

Age 25, turns 26 on July 20...Born Santa Barbara, California, 7/20/53...Home—Tucson, Arizona...B-R, T-R...6-2, 190...Married; Susan.

COMPLETE PROFESSIONAL RECORD

YEAR	CLUB	AVG.	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB
1973	Lewiston	.205	63	220	23	45	7	3	2	15	5	54	8
1974	Burlington	.284	117	405	68	115	30	3	11	59	60	79	33
1975	Birmingham	.260	134	484	76	126	15	6	1	43	63	70	17
1976	Tucson	.308	137	526	79	162	22	6	8	67	32	73	28
1976	Oakland (AL)	.125	6	8	0	1	0	0	0	0	0	0	0
1977	Toledo	.272	89	313	46	85	17	4	4	33	29	67	17
1977	Toronto (AL)	.216	60	227	21	49	9	1	0	17	7	38	8
1978	Syracuse	.270	133	504	74	136	33	6	13	45	70	100	12
1978	Toronto (AL)	.158	8	19	1	3	1	0	0	0	1	1	1
ML TOTALS		.209	74	254	22	53	10	1	0	17	8	39	9

NUMERICAL SPRING TRAINING ROSTER

- | | |
|--------------------------|----------------------------|
| 2—Mel Wright, coach | 37—Tom Dixon, p |
| 3—Tony Pacheco, coach | 39—Bo McLaughlin, p |
| 4—Deacon Jones, coach | 41—Gary Wilson, p |
| 5—Bob Lillis, coach | 43—Ken Forsch, p |
| 6—Reggie Baldwin, c | * 44—Larry Hardy, p |
| 7—BILL VIRDON, MGR. | 45—Frank Riccelli, p |
| 8—Luis Pujols, c | 46—Randy Niemann, p |
| 9—Julio Gonzalez, inf | 47—Joaquin Andujar, p |
| 10—Mike Fischlin, inf | 48—Vern Ruhle, p |
| 12—Craig Reynolds, inf | 50—J. R. Richard, p |
| 13—Bruce Bochy, c | * 51—Gary Woods, of |
| 14—Alan Ashby, c | * 52—Jose Turnes, c |
| 15—Keith Drumright, inf | * 53—Mark Miggins, p |
| 16—Dave Bergman, inf | 54—Mike Mendoza, p |
| 17—Rafael Landestoy, inf | * 56—John Holland, c |
| 18—Art Howe, inf | * 57—Jim Joiner, c |
| 19—Jim Obradovich, inf | * 58—Dave Aloji, p |
| 21—Terry Puhl, of | * 59—Kevin Ruffler, c |
| 22—Jesus Alou, of | * 60—Carlos Alfonso, inst. |
| 23—Enos Cabell, inf | * 61—Strech Suba, bullpen |
| 24—Jimmy Sexton, inf | * 62—Mike Tyler, c |
| 25—Jose Cruz, of | * 63—Alan Knically, c |
| 26—Wilbur Howard, of | * 64—Dave Augustine, of |
| 27—Bob Watson, inf | * 65—Rick Williams, p |
| 28—Cesar Cedeno, of | * 66—Dave Smith, p |
| 29—Denny Walling, of | * 70—Jim Beauchamp, inst. |
| 30—Jeff Leonard, of | * 71—Julio Linares, inst. |
| 31—Dan Warthen, p | * 72—Bunny Mick, inst. |
| 33—Tom Wiedenbauer, of | * 73—Jimmy Johnson, inst. |
| 34—Gordon Pladson, p | * 75—Bob Cluck, inst. |
| 35—Joe Sambito, p | |
| 36—Joe Niekro, p | *—Non-roster personnel |

SCOUTING & PLAYER DEVELOPMENT

Scouting

Lynwood Stallings, Director

Lynwood Stallings, 41, joined the Houston Astros in June, 1962. He served in various capacities since that time, including Administrative Assistant—Player Personnel, Traveling Secretary, Director of Minor League Clubs and Scouting and in his current position as Director of Scouting.

A native Houstonian, Lynwood attended Reagan High School and attended Rice University. While at Rice, he was an All-Southwest Conference shortstop for two years.

Lynwood and his wife Sandra have two children; Matt and Joelyn. The Stallings reside in Kingsport, Tennessee.

Player Development

William J. Wood Director of Minor League Operations

Bill Wood, 37, joined the Astros in November, 1976, and was named Director of Minor League Operations after serving two seasons as Assistant Director of Minor League Clubs and Scouting under Lynwood Stallings. Prior to coming to Houston, he served from 1973 through 1976 as assistant to Hank Peters and Bobby Bragan during their terms as President of the National Association; the governing body of the Minor Leagues.

Bill broke into baseball as Assistant General Manager of the Dodgers' Albuquerque club in 1969. He later served with the Dodgers as General Manager of Daytona in 1970 and 1971 and El Paso in 1972. He also served as 1/3 owner and GM of the El Paso club in 1973.

Born in Wichita Falls, Texas, Wood graduated from the University of Texas with a degree in business and statistics in 1965. He and his wife Jan have two children; Natalie and Jeff. The Woods reside in Houston.

Bob Cluck

Coordinator of Minor League Instruction

Bob Cluck, 33, broke into professional baseball as a pitcher in 1967. A native of San Diego, California, Cluck was 33-22 in his minor league career.

In 1974, Bob served as coach with Columbus of the Southern League and managed Dubuque of the Midwest League in 1975 and 1976. In 1977, he served as Assistant to the Field Coordinator—Player Development.

Bob and his wife Teri have two children; Jennifer and Amber. They reside in San Diego.

ASTROS MINOR LEAGUE SYSTEM 1978

Team	League	Position	Won	Lost	Pct.	Margin
Charleston (AAA)	International	1*	85	55	.607	+4
Columbus (AA)	Southern	3 (1st half) 5 (2nd half)	34 36	34 39	.500 .480	-9 -4½
Daytona Beach (A)	Florida State	6 (1st half) 6 (2nd half)	21 21	48 45	.304 .318	-22 -16
Sarasota (Rookie)	Gulf Coast	5	23	31	.426	-9½

*Were regular season champions. Were eliminated, three games to one, by Richmond in the opening rounds of International League playoffs.

MINOR LEAGUE MANAGERS

CHARLESTON (AAA) (International League)

P.O. Box 4333, Charleston, W.Va. 25304
(304) 346-0734
GM: Carl Steinfeldt

JIM BEAUCHAMP

MGR.

Jim Beauchamp, 39, was born in Vinita, Oklahoma, in 1939 and began his professional playing career with York in 1958. After beginning his major league career with St. Louis in 1963, Jim played for Houston, Atlanta, Milwaukee, Cincinnati and New York (NL) before retiring in 1974. He began his managerial career with Houston's Columbus AA club in 1975. He managed the Astros AAA Memphis club in 1976 and led the team to the International League playoffs. In 1977, the club moved to Charleston and Beauchamp's Charlies captured the Governor's Cup in the International League playoffs. In 1978, the Charlies won the IL regular season title and were eliminated in the first round of playoffs. Jim and his family reside in Grove, Oklahoma.

COLUMBUS (AA) (Southern League)

P.O. Box 55, Columbus, Ga. 31902
(404) 324-3594
GM: Jim Koger

JIMMY JOHNSON

MGR.

Jimmy Johnson, 31, was born in Colona, Illinois, in 1947 and graduated from Rincon High School, Tucson, Arizona, in 1965. Jimmy began his playing career as a shortstop with Williamsport in 1969 and served as player-coach under Jim Beauchamp at Columbus in 1975 and Memphis in 1976. Jimmy managed Cocoa of the Class A Florida State League in 1977 and led Columbus of the Southern League to a 70-73 finish in 1978. Jimmy and his family reside in Phoenix, Arizona.

DAYTONA BEACH (A) (Florida State League)

P.O. Box 26, Daytona, Fla. 32015
(904) 253-1500
GM: Terry Reynolds

CARLOS ALFONSO

MGR.

Carlos Alfonso, 28, is in his first year of managing in the professional ranks. Born in Havana, Cuba, Alfonso grew up in Naples, Florida. In 1968, he signed with the Houston organization as a third baseman but spent seven of his eight years as a pitcher in the Astros' farm system. He was traded to the Cincinnati Reds for Joaquin Andujar at the end of the 1975 season and spent one year with the Reds' Indianapolis affiliate. In 1977, he was named the Astros' non-playing bullpen assistant and served in that capacity through the 1977 season. He was named Astros' Traveling Secretary in December, 1978, and served in that position during the 1978 season. Along with this year's managerial duties, Carlos will also be Coordinator of Caribbean Scouting during the off-season.

SARASOTA (ROOKIE) (Gulf Coast League)

P.O. Box 288, Houston, Tx. 77001
(713) 749-9616

JULIO LINARES

MGR.

Julio Linares, 38, was born in San Pedro de Macoris, Dominican Republic, in 1941 and began his playing career with Tucson in 1957. After serving as a coach for Covington in 1973, 1974 and 1975, Julio became manager of the Appalachian League club in 1976 and has managed in Sarasota for the past two seasons. Julio and his family reside in San Pedro de Macoris, D.R.

DIRECTOR OF SCOUTING

Lynwood Stallings

Dir. of Scouting
Houston Astros
917 Beechwood
Kingsport, TN 37663

SCOUTS

SPECIAL ASSIGNMENT

Stanley Benjamin

46 Allen Street
Greenfield, Mass. 01301

Stanley Holmig

112 Texas Ave.
New Braunfels, Tex. 78103

Paul Florence

P.O. Box 670
Williston, Fla. 32696

Walter Matthews

P.O. Box 71
Saratoga, Ark. 71859

Gordon Lakey

14309 Misty Meadow
Houston, Tex. 77079

John Miller

6710 Camelback
Scottsdale, Ariz. 85251

Billy Smith

P.O. Box 208
Jamestown, N.C. 27282

CARIBBEAN SCOUTING

Carlos Alfonso

Coordinator of Caribbean Scouting
P.O. Box 288
Houston, Texas 77001

Carlos Castillo

URB. Armando Reveron
Edf. 20 Apto. #307
Catia La Mar, Venezuela

Julio Linares

P.O. Box 62
San Pedro de Macoris, Dom. Rep.

Diogenes Cedeno

Ensanche La Augustina
Calle L #57
Santo Domingo, Dom. Rep.

William Melendez

Modesto Ferrer #8
Cidra, Puerto Rico 00639

Domingo Mercedes

Ave. Rolando Martinez #31
San Pedro de Macoris, Dom. Rep.

The Astros are one of 17 teams which utilize the Major League Scouting Bureau. Begun in 1976, the MLSB acts as the basic territorial scouting organization, with 48 scouts accumulating player information on the country's free agent talent. Astros President and General Manager Tal Smith is Chairman of the Board of Directors for the MLSB.

ASTROS 1978 MINOR LEAGUE BATTING STATISTICS

Player	Team	AVG	G	AB	H	2B	3B	HR	RBI	BB	SO	SB
Adams, Ricky	Daytona	.222	112	396	88	12	3	0	32	36	73	20
Alvarado, Miguel	Sarasota	.182	13	44	8	0	2	0	6	5	5	0
Augustine, Dave	Charleston	.264	99	288	76	11	2	11	32	18	35	8
Baldwin, Reggie	Columbus	.323	36	133	43	11	1	1	23	0	9	2
Beltran, Julio	Sarasota	.284	29	102	29	2	1	0	9	13	8	8
	Daytona	.268	53	153	41	3	2	0	6	16	20	5
Bochy, Bruce	Columbus	.268	79	261	70	10	2	7	34	13	30	0
Buskey, Mike	Charleston	.198	29	86	17	7	0	0	7	7	17	1
Cacek, Craig	Charleston	.291	138	501	146	22	2	9	75	76	42	2
Cannon, Joe	Charleston	.293	136	518	152	17	18	8	75	42	102	13
Claudio, Jose	Sarasota	.224	50	174	39	7	8	0	24	22	23	7
	Daytona	.245	29	102	25	6	2	0	9	0	28	5
Coluccio, Bob	Charleston	.308	49	159	75	7	5	3	26	37	19	1
Cooper, Paul	Daytona	.269	83	253	68	7	6	0	26	33	62	8
Cypret, Greg	Sarasota	.231	3	13	3	0	0	0	1	0	2	0
	Daytona	.218	58	216	47	9	0	1	19	18	21	5
De Aza, Ramon	Sarasota	.228	43	149	34	4	0	0	12	8	19	8
De Sena, Sergio	Sarasota	.179	11	28	5	1	0	0	3	1	2	0
Drumright, Keith	Charleston	.311	124	512	159	21	3	1	49	37	24	8
Englishbey, Steve	Daytona	.233	27	73	17	3	0	1	6	20	21	0
Eubanks, Larry	Columbus	.281	118	381	107	19	3	14	50	34	87	6
Fischlin, Mike	Charleston	.211	82	280	59	10	2	0	19	38	49	4
Gross, George	Daytona	.275	133	451	124	22	8	6	63	61	70	15
Gustavson, Duane	Columbus	.213	21	61	13	2	0	0	6	11	11	0
Harkness, Don	Daytona	.160	77	231	37	6	0	0	13	17	42	3
Harper, Arvis	Sarasota	.251	53	183	46	8	5	1	25	30	18	8
Heep, Dan	Daytona	.340	66	212	72	18	2	2	24	50	25	0
Hernandez, Pete	Sarasota	.287	29	101	29	5	2	0	9	10	9	5
	Daytona	.267	61	217	58	3	1	0	13	15	39	1
Holland, John	Sarasota	.268	28	97	26	6	2	1	12	5	16	0
	Daytona	.297	13	37	11	3	0	0	1	8	7	0
Hosley, Tim	Charleston	.253	26	75	29	2	1	2	13	13	17	1
Jabalera, Francisco	Sarasota	.264	39	125	33	3	1	1	11	16	26	4
Joiner, Jim	Daytona	.167	26	66	11	3	0	1	6	13	23	0
Klimas, Phil	Columbus	.234	143	465	109	17	6	12	46	71	95	2
Knicely, Alan	Columbus	.227	140	427	97	13	2	15	50	52	112	3
Lamb, Randy	Daytona	.200	15	40	8	0	0	0	4	5	8	0
Larson, Dan	Charleston	.000	1	1	0	0	0	0	0	0	1	0
Leader, Ramon	Daytona	.203	116	390	79	6	5	1	27	30	70	15
Loucks, Scott	Daytona	.203	43	128	26	3	2	0	9	35	43	29
	Columbus	.194	76	232	66	4	4	3	17	45	73	18
MacDonald, Jim	Daytona	.000	1	1	0	0	0	0	0	0	0	0
Medina, Valentin	Sarasota	.222	19	54	12	1	0	0	1	6	12	1
Mota, Jose	Daytona	.266	120	410	109	13	3	0	32	27	89	18
Obradovich, Jim	Charleston	.306	129	421	129	28	3	21	85	77	75	1
Pankovits, Jim	Columbus	.240	137	509	122	19	7	10	43	48	98	8
	Charleston	.143	3	7	1	0	0	0	0	0	2	0
Pena, Bert	Columbus	.161	141	410	66	10	0	2	24	23	95	4
Perez, Ramon	Charleston	.250	77	240	60	7	4	0	20	30	30	7
Pich, Jeff	Sarasota	.154	9	26	4	1	0	0	0	7	1	0
Pisker, Don	Charleston	.287	134	477	137	26	6	11	77	53	83	6
Pittman, Joe	Columbus	.255	92	306	78	6	1	1	17	20	32	17
Pujols, Luis	Charleston	.219	61	196	43	6	1	2	24	15	52	0
Rajsich, Gary	Columbus	.241	80	286	69	12	5	7	34	29	57	14
	Charleston	.230	46	126	29	4	1	2	13	17	20	3
Rosario, Simon	Daytona	.284	65	261	74	10	3	1	27	11	27	1
	Columbus	.270	35	100	27	1	2	0	8	3	15	0
Rouse, Randy	Daytona	.215	29	93	20	3	0	0	6	5	5	1
	Columbus	.259	38	108	28	1	0	0	8	6	9	0
Ruffler, Kevin	Sarasota	.196	34	112	22	8	0	2	19	11	14	1
	Daytona	.083	5	12	1	0	0	0	4	3	3	0
Silva, Natalio	Sarasota	.200	26	90	18	2	0	0	11	7	11	3
Smith, Jeff	Columbus	.263	87	255	67	13	0	5	26	33	41	2
Smith, Greg	Sarasota	.245	40	106	26	3	1	0	8	25	9	19
Sperring, Rob	Charleston	.287	134	527	151	27	4	8	56	49	56	3
Stokke, Doug	Daytona	.284	43	141	40	4	2	3	20	14	13	1
	Charleston	.167	2	6	1	0	0	0	2	0	0	0
Suarez, Luis	Sarasota	.225	33	111	25	3	1	1	6	6	9	3
Tatis, Fernando	Columbus	.230	98	326	75	13	5	10	45	26	75	2
Tolman, Tim	Sarasota	.344	39	122	42	5	6	0	23	26	7	3
	Daytona	.280	7	25	7	2	0	0	5	3	2	1
Toogood, Randy	Daytona	.155	33	97	15	4	0	0	9	12	28	0
	Sarasota	.000	1	2	0	0	0	0	0	1	1	0
Turnes, Jose	Daytona	.197	71	214	42	5	1	0	16	18	54	1
	Columbus	.500	2	2	1	0	0	0	0	0	1	0
Tyler, Mike	Charleston	.265	76	211	56	9	2	5	24	25	24	2
Walraven, Randy	Daytona	.000	2	4	0	0	0	0	0	1	1	0
Wiedenbauer, Tom	Columbus	.269	27	93	25	2	0	0	6	10	14	7
Williams, Jaime	Sarasota	.178	15	45	8	1	1	0	10	4	17	0

ASTROS 1978 MINOR LEAGUE PITCHING STATISTICS

Player	Team	G	GS	CG	SV	SHO	W-L	IP	H	R	ER	BB	SO	ERA
Acosta, Andres	Sarasota	7	0	0	0	0	0-0	15	20	14	13	15	5	7.80
Allen, Mike	Columbus	14	14	4	0	0	6-8	91	98	61	40	42	50	3.96
Aloi, Dave	Columbus	30	0	0	8	0	5-1	72	61	32	26	28	55	3.25
	Charleston	11	0	0	0	0	1-1	17	26	16	14	10	11	7.41
Aponte, Rick	Daytona	28	0	0	5	0	2-0	38	36	9	6	14	26	1.41
	Charleston	2	1	0	0	0	0-1	6	8	6	5	2	3	7.50
Aragon, Reinaldo	Daytona	6	6	1	0	1	1-4	22	24	23	18	15	12	7.48
Augustine, Dave	Charleston	2	0	0	0	0	0-0	2	4	2	1	1	0	4.50
Boxberger, Rod	Daytona	3	3	0	0	0	1-2	15	16	10	2	10	10	1.23
	Columbus	11	11	6	0	3	5-5	71	58	40	33	55	51	4.18
Bryan, Sam	Sarasota	5	0	0	0	0	0-1	8	10	8	3	0	6	3.38
Cajide, Al	Daytona	31	11	4	1	1	4-10	125	130	62	51	40	66	3.68
Hardy, Larry	Charleston	28	0	0	8	0	3-3	46.1	41	11	9	9	24	1.75
Hessler, John	Sarasota	10	10	2	0	0	2-4	53	39	33	18	43	31	3.06
	Daytona	3	3	0	0	0	0-3	10	12	9	7	15	13	6.10
Houston, Kevin	Sarasota	8	8	6	0	1	5-3	60	46	20	18	26	65	2.70
	Daytona	13	9	2	0	0	0-9	62	61	40	29	58	51	4.19
Jackson, Doug	Daytona	26	4	1	0	0	3-3	84	69	41	28	40	48	2.99
Konieczny, Doug	Daytona	3	1	0	0	0	1-0	12	13	4	4	8	7	3.00
Larson, Dan	Charleston	29	28	9	0	3	14-6	201.2	180	93	84	65	121	3.75
Lazorko, Jack	Sarasota	3	0	0	2	0	0-1	4	7	2	1	2	5	2.25
Leatherwood, Del	Daytona	18	10	4	0	0	4-5	77	79	57	37	59	41	4.34
Leland, Stan	Sarasota	8	8	2	0	1	2-3	43	44	24	18	17	23	3.77
	Daytona	12	12	1	0	0	2-9	57	85	64	56	34	31	8.79
MacDonald, Jim	Daytona	26	25	10	0	2	8-16	150	175	87	64	64	65	3.83
Manaure, Jesus	Sarasota	9	9	3	0	0	3-3	50	49	29	26	33	26	4.68
McLaughlin, Bo	Charleston	22	19	5	0	0	8-5	137.2	128	59	57	37	63	3.73
Melendez, Diego	Daytona	27	19	3	0	1	3-11	114	117	94	73	91	73	5.75
Mendoza, Mike	Columbus	17	17	12	0	4	9-8	133	115	46	41	41	101	2.77
	Charleston	11	8	2	0	1	2-5	41.2	68	45	43	17	23	9.29
Meridith, Ron	Sarasota	2	2	0	0	0	2-0	12	12	6	4	3	6	3.00
	Daytona	9	9	4	0	1	3-6	56	59	28	27	17	31	4.34
Miggins, Mark	Columbus	30	14	6	1	2	4-11	119	111	58	48	63	43	3.63
Miscik, Dennis	Columbus	15	8	1	0	0	2-5	54	54	33	26	31	39	4.33
Morris, Fred	Daytona	29	0	0	3	0	1-1	66	76	44	32	29	43	4.39
Niemann, Randy	Columbus	29	14	9	1	1	9-5	123	125	44	28	39	53	2.05
Paris, Sacarias	Sarasota	1	0	0	0	0	0-0	1	0	0	0	0	0	0.00
Perry, Pat	Sarasota	12	2	2	0	2	2-4	35	29	15	9	14	35	2.31
Pinto, Mauro	Sarasota	13	1	0	2	0	1-2	43	35	16	12	12	19	2.51
Pladson, Gordy	Columbus	26	26	14	0	2	11-10	182	177	88	74	77	117	3.66
Riccelli, Frank	Charleston	17	17	9	0	2	9-7	122.2	98	55	38	61	93	2.79
Rivera, Robert	Sarasota	12	1	0	0	0	0-3	21	24	25	22	20	20	9.43
Roberge, Bert	Columbus	21	0	0	2	0	3-2	32	37	15	12	10	24	3.38
Robinson, Don	Sarasota	14	0	0	2	0	2-4	23	19	13	12	18	14	4.70
Rothermel, Russ	Charleston	35	0	0	2	0	2-2	32.1	38	13	11	14	17	3.06
Ruhle, Vern	Columbus	5	5	4	0	1	4-1	39	32	9	8	8	25	1.85
	Charleston	13	13	5	1	0	4-4	94	89	36	29	16	48	2.78
Sitek, Steve	Sarasota	8	6	2	0	0	1-1	36	32	16	13	22	9	3.25
Smith, Billy	Daytona	13	13	3	0	0	6-6	93	97	44	21	29	53	2.04
	Columbus	15	8	5	0	2	4-3	67	67	26	19	31	48	2.55
Smith, David*	Columbus	26	26	9	0	2	10-13	181	170	89	70	88	114	3.48
Sosa, Jose	Columbus	3	0	0	1	0	1-0	3	1	0	0	0	5	0.00
	Charleston	17	0	0	1	0	3-1	27.2	19	11	10	18	17	3.25
Sprinkle, Chuck	Daytona	1	0	0	0	0	0-0	5	6	4	2	3	3	3.38
Thomas, Roy	Charleston	28	3	0	7	0	9-4	65.2	63	28	23	30	40	3.15
Troedson, Thad	Sarasota	3	3	0	0	0	2-1	16	12	5	3	2	14	1.69
	Daytona	9	1	0	0	0	1-0	21	17	10	9	10	7	3.80
	Columbus	2	0	0	0	0	0-0	4	4	1	1	1	1	2.25
Walraven, Randy	Daytona	22	9	1	0	0	0-8	57	70	61	41	44	29	6.44
Wiles, Randy	Charleston	29	13	2	0	0	7-6	108.1	122	77	59	55	39	4.90
Williams, Rick	Charleston	11	11	5	0	2	8-1	79.2	69	28	21	18	31	2.37
Wilson, Gary	Charleston	28	27	8	0	0	14-7	183.2	202	92	79	69	87	3.87
Yan, Roberto	Sarasota	5	4	0	0	0	1-1	20	21	10	7	8	11	3.15
Zamora, Oscar	Charleston	20	0	0	10	0	1-2	34.1	30	8	8	4	24	2.10

1978 Minor League Leaders: Riccelli, Charleston, ERA (2.79); Wilson, Charleston, Wins (14); Obradovich, Charleston, Slg. Pct. (.537); Drumright, Charleston, Hits (159); Warthen, Ok. City (Amer. Assn.), IP (196) and SO (144); Leonard, Albuquerque (PCL), Avg. (.365) and Hits (183); Woods, Syracuse (Intl. Lg.) doubles (33), Pladson, Columbus (Southern Lg.) CG (14).

ASTROS STAFF

DR. A. EUGENE COLEMAN Director of Physical Conditioning

Dr. Gene Coleman, 36, joined the Astros as their Director of Physical Conditioning in 1977 and is responsible for both the Astros' in-season and off-season training programs. A native of Beaumont, Texas, Coleman received his undergraduate HPER degree from Lamar Tech, his masters degree from the University of Oklahoma and his doctorate from the University of Texas at Austin. Currently as associate professor and chairman of the program in Health, Leisure and Sports at the University of Houston-Clear Lake City, Coleman is co-author of the Texas State Physical Fitness Test and has been involved in the training of astronauts by the National Aeronautics and Space Administration (NASA) since 1977. He is a fellow of the American College of Sports Medicine, serves on the advisory boards of the Downtown Houston YMCA and the Clear Lake YMCA, plus he also serves on the Sports Medicine Committee of the Post Oak YMCA. A recipient of an Honor Award presented by the Governor's Commission on Physical Fitness, Coleman served on that Commission from 1971 to 1974. Gene and his family reside in Houston.

DELFINO GALBAN Equipment Manager

Delfino Galban, 26, is beginning his first season as Astros Equipment Manager, replacing Jimmy Lake who held the position since 1972. Galban began his work in professional baseball as assistant to Lake in 1972. In 1976, he joined the Los Angeles Dodgers as clubhouse assistant and served there during the 1976 and 1977 seasons. He returned to the Astros midway through the 1978 season as clubhouse assistant and was named to his new position in January. A native of Waxahachie, Texas, Delfino resides in Houston.

GERRY HUNSICKER Traveling Secretary

Gerry Hunsicker, 28, assumed the duties of Traveling Secretary for the Astros when Carlos Alfonso vacated the post at the end of the 1978 season to become Coordinator of Caribbean Scouting. A native Philadelphian and graduate of St. Joseph's College, Philadelphia, Gerry had served as assistant Director of Athletics and Recreational Sports and assistant baseball coach at Florida International University, Miami, Florida, since 1974. A former All-Conference pitcher and outfielder for St. Joseph's, he also served as assistant baseball coach at that school before joining the Florida International staff. Gerry and his wife Irene reside in Houston.

DON KIGER Trainer

Don Kiger will be starting his first year as trainer for the Astros major league club, succeeding Jim Ewell who retired during this past off-season. A native of Ypsilanti, Michigan, Kiger graduated from Michigan State University with a degree in physical education in 1970. In 1970, he worked for the Astros' Williamsport, Pa. farm club and spent three years at Covington, Va., a year at Columbus, Ga. and 1977 and 1978 with the Astros' Charleston entry in the International League. He has also worked in the Latin Winter Leagues for the past two seasons. Besides his work in professional baseball, Don also spent five off-seasons on the sports medicine staff at Michigan State University and taught for four years at Grand Ledge High School in his native Michigan.

Under the supervision of Dr. A. Eugene Coleman, the Astros Director of Physical Conditioning, Houston has its own Nautilus weight training program. Begun midway through the 1977 season, the program runs year-round with all Houston players taking part in the supervised program during the season and the Astros living in the area also utilizing the equipment during the winter months. The facilities are located in a room adjoining the Astros' home clubhouse.

FINAL OFFICIAL 1978 STATISTICS

BATTING	AVG.	G	AB	R	H	2B	3B	HR	RBI	SH-SF	BB-I	HP	SO	SB-CS	E
Alou	.324	77	139	7	45	5	1	2	19	4-3	6-1	0	5	0-0	1
Baldwin	.254	38	67	5	17	5	0	1	11	0-0	3-0	0	3	0-0	4
Bergman	.231	104	186	15	43	5	1	0	12	1-2	39-9	0	32	2-0	4
Bochy	.266	54	154	8	41	8	0	3	15	0-2	11-4	0	35	0-0	8
Cabell	.295	162	660	92	195	31	8	7	71	3-4	22-1	5	80	33-15	18
Cannon	.222	8	18	1	4	0	0	0	1	0-0	0-0	0	1	0-1	2
Cedeno	.281	50	192	31	54	8	2	7	23	2-0	15-1	0	24	23-2	2
Cruz	.315	153	565	79	178	34	9	10	83	2-3	57-9	0	57	37-9	8
Drumright	.164	17	55	5	9	0	0	0	2	1-0	3-0	0	4	0-1	4
Ferguson	.207	51	150	20	31	5	0	7	22	1-2	37-6	1	30	0-0	2
Fischlin	.116	44	86	3	10	1	0	0	0	4-0	4-1	1	9	1-0	9
vs RHP	.100		40		4	0	0	0	0	3-0	0-0	1	5		
vs LHP	.130		46		6	1	0	0	0	1-0	4-1	0	4		
Gonzalez	.233	78	223	24	52	3	1	1	16	7-0	8-1	1	31	6-1	7
Herrmann	.111	16	36	1	4	1	0	0	0	1-0	3-1	0	3	0-0	0
Howard	.230	84	148	17	34	4	1	1	13	1-1	5-0	3	22	6-2	0
vs RHP	.236		72		17	1	0	0	6	0-0	1-0	2	7		
vs LHP	.224		76		17	3	1	1	7	1-1	4-0	1	15		
Howe	.293	119	420	46	123	33	3	7	55	1-5	34-3	1	41	2-3	13
Landestoy	.266	59	218	18	58	5	1	0	9	4-0	8-0	0	23	7-4	4
vs RHP	.266		158		42	4	1	0	7	3-0	7-0	0	15		
vs LHP	.267		60		16	1	0	0	2	1-0	1-0	0	8		
Leonard	.385	8	26	2	10	2	0	0	4	0-0	1-0	0	2	0-1	0
Metzger	.220	45	123	11	27	4	1	0	6	2-1	12-3	0	9	0-0	6
Obradovich	.176	10	17	3	3	0	1	0	2	0-0	1-1	0	3	0-0	0
Puhl	.289	149	585	87	169	25	6	3	35	3-7	48-5	4	46	32-14	3
Pujols	.131	56	153	11	20	8	1	1	11	2-1	12-1	1	45	0-0	6
Sexton	.206	88	141	17	29	3	2	2	6	1-0	13-1	0	28	16-2	5
Walling	.251	120	247	30	62	11	3	3	36	0-2	30-3	1	24	9-2	3
Watson	.289	139	461	51	133	25	4	14	79	0-11	51-16	4	57	3-1	9
Andujar	.130	36	23	0	3	1	0	0	3	4-0	1-0	0	11	0-0	4
Bannister	.161	28	31	2	5	1	0	0	0	5-0	1-0	0	12	0-0	0
Dixon	.100	30	40	0	4	0	0	0	1	3-0	1-0	0	7	0-0	1
Forsch	.185	52	27	1	5	0	0	0	3	2-0	0-0	0	9	0-0	2
Lemongello	.172	33	64	3	11	1	0	0	3	6-0	4-0	0	22	0-0	2
McLaughlin	.000	12	3	0	0	0	0	0	0	0-0	0-0	0	2	0-0	0
Niekro	.138	36	65	6	9	2	0	0	5	9-0	0-0	0	18	0-0	0
Pentz	.000	10	1	0	0	0	0	0	0	0-0	0-0	0	0	0-0	0
Riccelli	.000	2	0	0	0	0	0	0	0	0-0	0-0	0	0	0-0	0
Richard	.178	37	101	8	18	0	0	1	10	5-0	1-0	0	27	1-1	3
Ruhle	.056	13	18	0	1	0	0	0	1	1-0	2-0	0	14	0-0	0
Sambito	.167	62	6	1	1	0	0	0	0	1-0	1-0	0	2	0-0	2
Warthen	.000	5	2	0	0	0	0	0	0	0-0	0-0	0	2	0-0	0
Williams	.000	17	5	0	0	0	0	0	0	0-0	0-0	0	2	0-0	1
Zamora	.000	10	2	0	0	0	0	0	0	0-0	0-0	0	1	0-0	0

Astros	.258	162	5458	605	1408	231	45	70	557	76-44	434-67	22	743	178-59	133
Opposition	.247	162	5378	634	1328	223	37	86	625	91-61	578-54	31	930	165-57	144

PINCH HITTING: (AB-H-HR-RBI-AVG) TEAM (231-52-1-36-.225); Alou (44-16-1-10-.364); Baldwin (18-5-0-4-.278); Bergman (16-2-0-2-.125); Bochy (3-0-0-0-.000); Cannon (3-0-0-0-.000); Cruz (1-0-0-0-.000); Ferguson (1-0-0-1-.000); Fischlin (3-0-0-0-.000); Gonzalez (11-1-0-1-.091); Herrmann (2-1-0-0-.500); Howard (51-12-0-6-.235); Howe (3-1-0-0-.333); Landestoy (9-1-0-0-.111); Leonard (1-0-0-0-.000); Metzger (2-1-0-0-.500); Niekro (1-0-0-0-.000); Obradovich (6-0-0-0-.000); Puhl (1-0-0-0-.000); Richard (1-0-0-0-.000); Sexton (6-1-0-0-.167); Walling (39-10-0-11-.256); Watson (9-1-0-1-.111);

WINNING RUNS BATTED IN: Alou—4, Bergman—1, Bochy—2, Cabell—6, Cedeno—4, Cruz—10, Dixon—1, Ferguson—1, Gonzalez—1, Howard—1, Howe—3, Landestoy—1, Puhl—1, Richard—1, Walling—2, Watson—7.

PITCHING	ERA	W-L	G	G	CG	SV	SHO	IP	H	R	ER	HR	BB-I	SO	WP	HP
Andujar	3.41	5-7	35	13	2	1	0	110.2	88	45	42	3	58-6	55	3	4
Bannister	4.83	3-9	28	16	2	0	2	110.1	120	59	59	13	63-4	94	7	1
Dixon	3.99	7-11	30	19	3	1	2	140.0	140	70	62	8	40-3	66	0	1
Forsch	2.71	10-6	52	6	4	7	2	133.1	136	44	40	2	37-13	71	2	1
Lemongello	3.94	9-14	33	30	9	1	1	210.1	204	100	92	20	66-5	77	4	9
McLaughlin	5.09	0-1	12	1	0	2	0	23.1	30	17	13	2	16-2	10	3	2
Niekro	3.86	14-14	35	29	10	0	1	202.2	190	97	87	13	73-1	97	9	9
Pentz	6.00	0-0	10	0	0	0	0	15.0	12	13	10	1	13-3	8	1	1
Riccelli	0.00	0-0	2	0	0	0	0	3.0	1	0	0	0	0-0	1	0	0
Richard	3.11	18-11	36	36	16	0	3	275.1	192	104	95	12	141-4	303	16	2
Ruhle	2.12	3-3	13	10	2	0	2	68.0	57	17	16	0	20-1	27	1	1
Sambito	3.07	4-9	62	0	0	11	0	88.0	85	32	30	5	32-7	96	1	0
Warthen	4.09	0-1	5	1	0	0	0	10.2	10	5	5	3	2-0	2	0	0
Williams	4.63	1-2	17	1	0	0	0	34.2	43	19	18	2	10-2	17	0	0
Zamora	7.2	0-0	10	0	0	0	0	15.0	20	12	12	2	7-3	6	0	0
Astros	3.63	74-88	162	162	48	23	17*	1440.1	1328	634	581	86	578-54	930	47	31
Opposition	3.39	88-74	162	162	37	31	9	1448.1	1408	605	546	70	434-67	743	40	22

*COMBINED SHUTOUTS—4: Forsch & Sambito; Niekro & Forsch; Ruhle & Sambito; Niekro, Ruhle & Lemongello.

FINAL 1978 NATIONAL LEAGUE STANDINGS

WESTERN DIVISION

Club	Won	Lost	Pct	GB	LA	Cin	SF	SD	Hou	Atl	Phil	Pitt	Chi	Mil	StL	NY	West W-L	East W-L
Los Angeles	95	67	.586	—	—	9	11	9	11	13	7	7	8	8	5	7	53-37	42-30
Cincinnati	92	69	.571	2½	9	—	12	9	11	12	7	4	5	8	8	7	53-37	39-32
San Francisco	89	73	.549	6	7	6	—	10	12	7	6	8	8	7	9	9	42-48	47-25
San Diego	84	78	.519	11	9	9	8	—	10	10	4	7	5	6	9	7	46-44	38-34
HOUSTON	74	88	.457	21	7	7	6	8	—	10	6	4	6	6	7	7	38-52	36-36
Atlanta	69	93	.426	26	5	6	11	8	8	—	8	2	5	5	5	6	38-52	31-41

EASTERN DIVISION

Club	Won	Lost	Pct	GB	Phil	Pitt	Chi	Mil	StL	NY	LA	Cin	SF	SD	Hou	Atl	East W-L	West W-L
Philadelphia	90	72	.556	—	—	11	14	9	10	12	5	5	6	8	6	4	56-34	34-38
Pittsburgh	88	73	.547	1½	7	—	11	11	9	11	5	7	4	5	8	10	49-41	39-32
Chicago	79	83	.488	11	4	7	—	7	15	11	4	7	4	7	6	7	44-46	35-37
Montreal	76	86	.469	14	9	7	11	—	9	8	4	4	5	6	6	7	44-46	32-40
St. Louis	69	93	.426	21	8	9	3	9	—	11	7	4	3	3	5	7	40-50	29-43
New York	66	96	.407	24	6	7	7	10	7	—	5	5	3	5	5	6	37-53	29-43

CHAMPIONSHIP SERIES: Los Angeles defeated Philadelphia 3 games to 1
WORLD SERIES: New York Yankees defeated Los Angeles Dodgers 4 games to 2

1978 ASTROS MISCELLANEOUS STATISTICS

W-L	74-88	Longest Win Streak	8
Home	50-31	Longest Lose Streak	7
Road	24-57	Longest Hit Streak	18
Day	11-33	PUHL	
Night	63-55	Most Runs—Inning	7
HR's	70-86	6/10 St. Louis, 9/2 Chicago	
SB's	178-165	Most Runs—Game	13
DP's	109-147	5/20 Atlanta	
1-Run	27-33	Most Hits—Game	18
Vs. RHP	54-60	7/18 Philadelphia	
Vs. LHP	20-28	Shortest Game 9 Innings	1:41
CG's	48-37	10/1 San Francisco	
Shutouts	17-9	Longest Game 9 Innings	3:33
Vs. East	36-36	9/1 Chicago	
Vs. West	38-52	Longest Game—Innings	14
LOB	1086-1179	5/12 New York	
X-INNS	8-7	Longest Game X-Innings	4:21
DH's	2-8-3	5/12 New York	

ATTENDANCE	1977	1978	'78 AVG.
Home Total	1,109,560	1,126,145	14,438
Road Total	1,505,198	1,422,563	20,036
GRAND TOTAL	2,614,758	2,548,708	17,105

HOUSTON ASTROS WINTER ROSTER

MANAGER: BILL VIRDON—7

Coaches: Deacon Jones—4; Bob Lillis—5; Tony Pacheco—3; Mel Wright—2

Trainer: Don Kiger
Equipment Manager: Delfino Galban
Traveling Secretary: Gerry Hunsicker

No.	Pitchers (14)	B	T	HT	WT	Date & Place of Birth	Residence	Major Service	'78 Club	W-L	ERA	G	AB	H	IP	H	BB	SO	GS	CG	SV
47	Joaquin Andujar	S	R	5'11"	180	12/21/52 San Pedro de Macoris, D.R.	San Pedro de Macoris, D.R.	3 + 0	Houston	5-7	3.41	35		110.2	88	58	55	13	2	1	
37	Tom Dixon	R	R	6'0"	183	4/23/55 Orlando, FL	Orlando, FL	1 + 67	Houston	7-11	3.99	30		140.0	140	40	66	19	3	1	
43	Ken Forsch	R	R	6'4"	205	9/08/46 Sacramento, CA	Missouri City, TX	8 + 29	Houston	10-6	2.71	52		133.1	136	37	71	6	4	7	
39	Bo McLaughlin	R	R	6'5"	205	10/23/53 Oakland, CA	Amelia, OH	1 + 119	Charleston	8-5	3.73	22		137.2	128	37	63	19	5	0	
									Houston	0-1	5.09	12		23.1	30	16	10	1	0	2	
54	Mike Mendoza	R	R	6'5"	215	11/26/55 Inglewood, CA	Tempe, AZ	0 + 0	Columbus	9-8	2.77	17		133.0	115	41	101	17	12	0	
									Charleston	2-5	9.29	11		41.2	68	17	23	8	2	0	
36	Joe Niekro	R	R	6'1"	190	11/07/44 Martins Ferry, OH	Lakeland, FL	10 + 138	Houston	14-14	3.86	35		202.2	190	73	97	29	10	0	
46	Randy Niemann	L	L	6'4"	200	11/15/55 Scolia, CA	Fortuna, CA	0 + 0	Columbus	9-5	2.05	29		123.0	125	39	53	14	9	1	
34	Gordon Pladson	R	R	6'4"	210	7/31/56 New Westminster B.C., Canada	Surrey, B.C. Canada	0 + 0	Columbus	11-10	3.66	26		182.0	177	77	117	26	14	0	
45	Frank Riccelli	L	L	6'3"	200	2/24/53 Syracuse, NY	Syracuse, NY	0 + 50	Springfield Charleston	3-3	3.06	10		50.0	51	28	51	8	3	0	
									Houston	9-7	2.79	17		122.2	98	61	93	17	9	0	
50	J. R. Richard	R	R	6'8"	237	3/07/50 Vienna, LA	Houston, TX	5 + 131	Houston	0-0	0.00	2		3.0	1	0	1	0	0	0	
48	Vern Ruhle	R	R	6'1"	187	1/25/51 Coleman, MI	Canton, MI	3 + 40	Columbus	18-11	3.11	36		275.1	192	141	303	36	16	0	
									Charleston	4-1	1.85	5		39.0	32	8	25	5	4	0	
									Houston	4-4	2.78	13		94.0	89	16	48	13	5	0	
35	Joe Sambito	L	L	6'1"	190	6/28/52 Brooklyn, NY	St. Petersburg, FL	2 + 82	Houston	3-3	2.12	13		68.0	57	20	27	10	2	0	
31	Dan Warthen	S	L	6'0"	200	12/01/52 Omaha, NB	Papillion, NB	2 + 72	Houston	4-9	3.07	62		88.0	85	32	96	0	0	11	
									Oklahoma C.	13-8	4.09	27		196.0	181	110	144	27	12	0	
									Houston	0-1	4.09	5		10.2	10	2	2	1	0	0	
41	Gary Wilson	R	R	6'2"	180	11/21/54 Camden, AR	Camden, AR	0 + 0	Charleston	14-7	3.87	28		183.2	202	69	87	27	8	0	
No.	Catchers (4)	B	T	HT	WT	Date & Place of Birth	Residence	Major Service	'78 Club	AVG.	G	AB	H	HR	RBI	BB	SO	SB			
14	Alan Ashby	S	R	6'2"	190	7/08/51 Long Beach, CA	Mission Viejo, CA	4 + 164	Toronto	.261	81	264		69	9	29	28	32	1		
6	Reggie Baldwin	R	R	6'1"	195	8/19/54 River Rouge, MI	Detroit, MI	0 + 105	Columbus	.323	36	133		43	1	23	1	9	2		
13	Bruce Bochy	R	R	6'4"	210	4/16/55 Landes de Boussac, Melbourne, FL		0 + 75	Houston	.254	38	67		17	1	11	3	3	0		
									Columbus	.268	79	261		70	7	34	13	30	0		
8	Luis Pujols	R	R	6'1"	195	11/18/55 Bani, D.R.	Bani, D.R.	0 + 95	Houston	.266	54	154		41	3	15	11	35	0		
									Charleston	.219	61	196		43	2	24	15	52	0		
									Houston	.131	56	153		20	1	11	12	45	0		

No.	Infielders (11)	B	T	HT	WT	Date & Place of Birth	Residence	Service	'78 Club	AVG.	G	AB	H	HR	RBI	BB	SO	SB
16	Dave Bergman	L	L	6'2"	185	6/06/53	Evanston, IL	1 + 60	Houston	.231	104	186	43	0	12	39	32	2
23	Enos Cabell	R	R	6'5"	185	10/08/49	Houston, TX	5 + 137	Houston	.295	162	660	195	7	71	22	80	33
15	Keith Drumright	L	R	5'10"	160	10/21/54	Springfield, MO	0 + 31	Charleston	.311	124	512	159	1	49	37	24	8
10	Mike Fischlin	S	R	6'1"	165	9/13/55	Sacramento, CA	0 + 113	Houston	.164	17	55	9	0	2	3	4	0
9	Julio Gonzalez	R	R	5'11"	165	12/25/53	Caguas, P.R.	1 + 168	Charleston	.211	82	280	59	0	19	38	49	6
18	Art Howe	R	R	6'1"	185	12/15/46	Pittsburgh, PA	3 + 170	Houston	.116	44	86	10	0	0	4	9	1
17	Rafael Landestoy	S	R	5'9"	163	5/28/53	Bani, D.R.	0 + 125	Albuquerque	.367	8	30	11	0	2	3	4	2
19	Jim Obradovich	L	L	6'2"	200	9/13/49	Ft. Campbell, KY	0 + 22	Charleston	.233	78	223	52	1	16	8	31	6
12	Craig Reynolds	L	R	6'1"	175	12/27/52	Houston, TX	2 + 92	Houston	.293	119	420	123	7	55	34	41	2
24	Jimmy Sexton	R	R	5'11"	175	12/15/51	Mobile, AL	1 + 32	Houston	.274	66	277	76	1	35	24	30	22
27	Bob Watson	R	R	6'2"	208	4/10/46	Los Angeles, CA	10 + 84	Houston	.266	59	218	58	0	9	8	23	7
No.	Outfielders (8)	B	T	HT	WT	Date & Place of Birth	Residence	Service	'78 Club	AVG.	G	AB	H	HR	RBI	BB	SO	SB
22	Jesus Alou	R	R	6'2"	195	3/24/43	Haina, D.R.	13 + 9	Houston	.324	77	139	45	2	19	6	5	0
28	Cesar Cedeno	R	R	6'2"	195	2/25/51	S. Domingo, D.R.	8 + 104	Houston	.281	50	192	54	7	23	15	24	23
25	Jose Cruz	L	L	6'0"	175	8/08/47	Arroyo, P.R.	7 + 155	Houston	.315	153	565	178	10	83	57	57	37
26	Wilbur Howard	S	R	6'2"	175	1/08/49	Houston, TX	4 + 119	Houston	.230	84	148	34	1	13	5	22	6
30	Jeff Leonard	R	R	6'4"	200	9/22/55	Philadelphia, PA	0 + 51	Albuquerque	.365	133	502	183	11	93	70	59	36
21	Terry Puhl	L	R	6'2"	197	7/08/56	Melville, Sask., Canada	1 + 87	Houston	.385	8	26	10	0	4	1	2	0
29	Denny Walling	L	R	6'1"	185	4/17/54	Neptune, NJ	1 + 61	Houston	.289	149	585	169	3	35	48	46	32
33	Tom Wriedenbauer	R	R	6'1"	175	11/05/58	Menomoneie, WI	0 + 0	Columbus	.251	120	247	62	3	36	30	24	9
										.269	27	93	25	0	6	10	14	7

NON-ROSTER PLAYERS INVITED TO SPRING TRAINING

PITCHERS (5)	B	T	HT	WT	DATE & PLACE OF BIRTH	RESIDENCE	'78 CLUB	W-L	ERA	G	IP	H	BB	SO	GS	CG
58—Dave Aloï	R	R	6-1	185	10/3/55 Vallejo, CA	West Covina, CA	Columbus	5-1	3.25	30	72	61	28	55	0	0
44—Larry Hardy	R	R	5-11	172	1/10/48 Goose Creek, TX	Arlington, TX	Charleston	1-1	7.41	11	17	26	10	11	0	0
53—Mark Miggins	L	L	6-3	185	5/6/54 Teaneck, NJ	Miami, FL	Charleston	3-3	1.75	28	46	41	9	24	0	0
66—Dave Smith	R	R	6-1	195	1/21/55 San Francisco, CA	San Diego, CA	Columbus	4-11	3.63	30	119	111	63	43	14	6
65—Rick Williams	R	R	6-1	180	11/9/52 Merced, CA	El Nido, CA	Columbus	10-13	3.48	26	181	170	88	114	26	9
							Charleston	8-1	2.37	11	80	69	18	31	11	5
							Houston	1-2	4.63	17	35	43	10	17	1	0

CATCHERS (6)	B	T	HT	WT	DATE & PLACE OF BIRTH	RESIDENCE	'78 CLUB	AVG.	G	AB	H	HR	RBI	SB
56—John Holland	R	R	6-1½	197	9/14/58 Florence, S.C.	Florence, S.C.	Sarasota	.268	28	97	26	1	12	0
57—Jim Joiner	L	R	6-0	194	8/4/54 Deland, FL	Deland, FL	Daytona	.297	13	37	11	0	1	0
63—Alan Knicely	R	R	6-0½	194	5/19/55 Harrisonburg, VA	Dayton, VA	Daytona	.167	26	66	11	1	6	0
59—Kevin Ruffler	R	R	5-9	188	8/24/55 Brooklyn, NY	Staten Island, NY	Columbus	.227	140	427	97	15	50	3
52—Jose Turnes	R	R	6-1	185	10/29/55 Caracas, Venezuela	Caracas, Venezuela	Sarasota	.196	34	112	22	2	19	1
							Daytona	.197	71	214	42	0	16	1
							Columbus	.500	2	2	1	0	0	0
62—Mike Tyler	L	R	5-11	180	3/4/54 Manhattan, NY	Seaford, NY	Charleston	.265	76	211	56	5	24	2

NO. OUTFIELDERS (2)	B	T	HT	WT	DATE & PLACE OF BIRTH	RESIDENCE	'78 CLUB	AVG.	G	AB	H	HR	RBI	SB
64—Dave Augustine	R	R	6-2	175	11/28/49 Follansbee, W. VA	Charleston, W. VA	Charleston	.264	99	288	76	1	23	2
51—Gary Woods	R	R	6-2	190	7/20/53 Santa Barbara, CA	Tucson, AZ	Syracuse	.270	133	504	136	13	45	12
							Toronto	.158	8	19	3	0	0	1

COACHES: Jim Beauchamp (70), Jimmy Johnson (73), Carlos Alfonso (60), Julio Linares (71), Bob Cluck (75)

1978 ASTROS HIGH/LOW CLUB

Longest winning streak	8	(July 24-Aug. 1)
Longest losing streak	7	(July 19-July 23)
Most runs in a game	13	(May 20 vs. Atl.)
Most runs in a game, opponent	14	(Sept. 1 vs. Chi.)
Most hits in a game	18	(July 18 vs. Phil.)
Most hits in a game, opponent	18	(July 20 vs. NY)
Most runs in an inning	7	(June 10 vs. Stl.), (Sept. 2 vs. Chi.)
Most runs in an inning, opponent	6	(Sept. 11 vs. Cin.)
Most home runs in a game	3	(Apr. 6 vs. Cin.), (July 20 vs. NY), (Sept. 11 vs. Cin.)
Most home runs in a game, opponent	4	(Sept. 1 vs. Chi.)
Most stolen bases in a game	5	(Apr. 16 vs. Cin.), (July 2 vs. SD)
Most stolen bases in a game, opponent	5	(June 12 vs. Pit.), (Aug. 20 vs. Pit.)

INDIVIDUAL

Longest hitting streak	18	Terry Puhl (May 5-May 27)
Most hits in a game	4	Jesus Alou (June 12 vs. Pit.) Dave Bergman (July 20 vs. NY) Enos Cabell (May 19 vs. Atl.), (July 24 vs. Mtl.) Jose Cruz (May 20 vs. Atl.), (June 9 vs. Stl.), (Aug. 21 vs. Chi.) Rafael Landestoy (Sept. 1 vs. Chi.) Terry Puhl (Aug. 8 vs. SF)
Most home runs in a game	2	Art Howe (July 20 vs. NY)
Most RBI's in a game	5	Jose Cruz (June 9 vs. Stl.)
Most runs in a game	4	Terry Puhl (May 20 vs. Atl.)
Longest winning streak, pitcher	6	J. R. Richard (Aug. 21-Sept. 28)
Longest losing streak, pitcher	6	Floyd Bannister (July 8-Aug. 24)
Most strikeouts in a game, pitcher	13	J. R. Richard (June 4 vs. Stl.), (Aug. 12 vs. Atl.)
Fewest hits allowed in a game	2	J. R. Richard (Apr. 11 vs. LA)

GENERAL

Longest game, innings	14	(May 12 vs. NY)
Longest game, time	4:21	(May 12 vs. NY)
Longest game time, nine innings	3:33	(Sept. 1 vs. Chi.)
Shortest game, time	1:41	(Oct. 1 vs. SF)
Largest crowd, Astrodome	46,215	(Apr. 29 vs. Mtl.)
Smallest crowd, Astrodome	3,775	(Sept. 21 vs. Atl.)
Largest crowd, road	52,378	(Apr. 6 vs. Cin.)
Smallest crowd, road	2,560	(Sept. 28 vs. Atl.)

HOUSTON VERSUS THE NATIONAL LEAGUE—1978

	Home	Road	Total	Day	Night	X-Innings	Shut outs	One-Run	Series
	W-L	W-L	W-L	W-L	W-L	W-L	W-L	W-L	W-L-S
Atlanta	5-4	5-4	10-8	1-2	9-6	0-1	7-1	1-5	3- 2- 1
Cincinnati	6-3	1-8	7-11	1-4	6-7	1-1	2-0	2-7	2- 3- 1
Los Angeles	4-5	3-6	7-11	2-1	5-10	0-1	2-1	3-3	2- 3- 1
San Diego	5-4	3-6	8-10	1-5	7-5	1-1	0-1	4-2	3- 3- 0
San Francisco	5-4	1-8	6-12	2-5	4-7	0-0	2-4	2-5	1- 3- 2
Totals	25-20	13-32	38-52	7-17	31-35	2-4	13-7	12-23	11-14- 5
Chicago	5-1	1-5	6-6	1-5	5-1	0-1	1-0	2-3	2- 2- 0
Montreal	4-2	2-4	6-6	0-2	6-4	3-0	1-2	4-1	1- 3- 0
New York	4-2	3-3	7-5	1-3	6-2	2-1	0-0	4-2	2- 2- 0
Philadelphia	5-1	1-5	6-6	0-1	6-5	1-1	1-0	2-1	2- 1- 1
Pittsburgh	4-2	0-6	4-8	1-3	3-5	0-0	0-0	2-2	2- 1- 0
St. Louis	3-3	4-2	7-5	1-2	6-3	0-0	1-0	1-1	2- 0- 2
Totals	25-11	11-25	36-36	4-16	32-20	6-3	4-2	14-10	11- 9- 3
Overall Totals	50-31	24-57	74-88	11-33	63-55	8-7	17-9	27-33	22-23-8

ASTROS VS. NL-1978

(Continued)

HOUSTON BY THE MONTH

	WON	LOST	PCT.
April	10	12	.455
May	10	13	.435
June	13	14	.481
July	15	17	.469
August	14	14	.500
September	11	18	.379
October	1	0	1.000

VS. NL-HOME RUNS

	HOME Hou-Opp	ROAD Hou-Opp	TOTAL Hou-Opp
Atlanta	3-1	6-2	9-3
Cincinnati	4-2	9-11	13-13
Los Angeles	4-6	4-9	8-15
San Diego	2-4	1-2	3-6
San Francisco	1-4	1-6	2-10
Totals	14-17	21-30	35-47

HOUSTON BY THE DAY

	WON	LOST	PCT.
Monday	8	7	.533
Tuesday	16	7	.696
Wednesday	11	12	.478
Thursday	5	11	.313
Friday	12	16	.429
Saturday	15	14	.517
Sunday	7	21	.250

VS. EAST

Chicago	1-0	2-5	3-5
Montreal	6-1	2-4	8-5
New York	3-3	6-1	9-4
Philadelphia	3-1	3-9	6-10
Pittsburgh	2-3	1-5	3-8
St. Louis	1-3	5-3	6-6
Totals	16-11	19-27	35-38
Grand Total	30-28	40-57	70-86

1-0 GAMES

	WON	LOST	PCT.	GB
Before All-Star Break				
Break	36	46	.439	14
After All-Star Break	38	42	.475	21

	WON	LOST
San Francisco	1	1
Los Angeles	1	0
Totals	2	1

DOUBLEHEADERS

	WON	LOST	SPLIT
St. Louis	0	0	1
San Diego	0	1	1
Los Angeles	0	1	0
Montreal	1	0	0
New York	0	1	1
Philadelphia	0	1	0
Atlanta	1	0	0
Pittsburgh	0	2	0
Chicago	0	1	0
San Francisco	0	1	0
Totals	2	8	3

ON ARTIFICIAL GRASS

(Houston, Cincinnati, San Francisco, St. Louis, Pittsburgh, Philadelphia, Montreal)

WON—59

LOST—64

PCT.—.480

ON NATURAL GRASS

(San Diego, Los Angeles, Chicago, New York, Atlanta)

WON—15

LOST—24

PCT.—.385

Houston has had only four games postponed because of rain since its entrance into the National League in 1962. The first three were "rained out" and all occurred in the first season (April 23 vs. Philadelphia, June 13 vs. New York and July 16 vs. Chicago). The fourth game was a "rain in" and occurred on June 15 of 1976 when as much as 10 inches of rain fell in the Houston area virtually flooding the entire city. Only members of the Houston Astros and members of the visiting Pittsburgh Pirates were able to make their way to the Astrodome. Umpires, fans and stadium personnel were unable to reach the ballpark.

HOUSTON FIELDING STATISTICS—1978

FIRST BASE	PCT	G	PO	A	E	TC	DP
Watson	.992	128	974	95	9	1078	63
Bergman	.993	66	280	16	2	298	26
Cabell	1.000	14	75	3	0	78	4
Obradovich	1.000	3	28	1	0	29	1
Cruz	1.000	2	17	1	0	18	1
Howe	.857	1	6	0	1	7	0
Pujols	1.000	1	1	0	0	1	0

SECOND BASE	PCT	G	PO	A	E	TC	DP
Howe	.977	107	224	289	12	525	51
Gonzalez	.983	54	62	112	3	177	21
Drumright	.944	17	27	41	4	72	9
Sexton	.900	3	3	6	1	10	1
Landestoy	1.000	2	1	0	0	1	1
Howard	—	1	0	0	0	0	0

THIRD BASE	PCT	G	PO	A	E	TC	DP
Cabell	.958	153	136	274	18	428	15
Howe	1.000	11	10	13	0	23	0
Sexton	.750	8	0	3	1	4	0
Gonzalez	1.000	4	2	2	0	4	0

SHORTSTOP	PCT	G	PO	A	E	TC	DP
Sexton	.981	58	59	95	3	157	18
Landestoy	.980	50	65	132	4	201	18
Fischlin	.928	41	49	67	9	125	11
Gonzalez	.917	17	19	25	4	48	7
Cabell	—	1	0	0	0	0	0

OUTFIELD	PCT	G	PO	A	E	TC	DP
Cruz	.975	152	311	4	8	323	0
Puhl	.992	148	386	6	3	395	2
Walling	.980	78	140	4	3	147	2
Cedeno	.987	50	149	2	2	153	1
Bergman	.960	29	48	0	2	50	0
Alou	.976	28	40	1	1	42	0
Howard	1.000	16	39	2	0	41	0
Leonard	1.000	8	16	1	0	17	1
Landestoy	1.000	3	4	0	0	4	0

CATCHERS	PCT	G	PO	A	E	TC	PB	DP
Pujols	.981	55	271	33	6	310	12	2
Bochy	.974	53	268	35	8	311	3	5
Baldwin	.955	17	76	8	4	88	0	1
Howard	1.000	3	4	1	0	5	1	0

PITCHERS	PCT	G	PO	A	E	TC	DP
Sambito	.917	62	6	16	2	24	3
Forsch	.943	52	9	24	2	35	0
Richard	.957	36	29	38	3	70	0
Andujar	.905	35	11	27	4	42	1
Niekro	1.000	35	18	21	0	39	3
Dixon	.966	30	12	16	1	29	1
Williams	.889	17	1	7	1	9	0
Ruhle	1.000	13	4	7	0	11	0
McLaughlin	1.000	12	1	3	0	4	0
Warthen	1.000	5	1	1	0	2	0
Riccelli	—	2	0	0	0	0	0

	PCT	G	PO	A	E	TC	DP
Team Totals	.978	162	4321	1617	133	6071	109

HOUSTON DAY-BY-DAY 1978

DATE	DAY	D/N	GAME NO.	OPPONENT	W-L	SCORE	X-INN.	RECORD	POS	GB	ASTROS	PITCHERS OF RECORD OPPONENT	ATTENDANCE	HOME DATE	TOTAL HOME ATTENDANCE
APRIL															
6	THUR.	D	1	Cincinnati	L	9-11		0-1	6	1	Richard 0-1.	BORON 1-0	52,378		
7	FRI.	N	2	Cincinnati	L	4-5		0-2	6	2	Niekro 0-1	BONHAM 1-0	22,883		
8	SAT.	D	3	Cincinnati	L	1-2		0-3	6	3	Andujar 0-1	NORMAN 1-0			
9	SUN.	D	4	Cincinnati	L	3-9		0-4	6	4	Lemongello 0-1	HUME 1-0	42,667		
10	MON.	N	5	LOS ANGELES	L	2-5		0-5	6	4½	Bannister 0-1	RAU 1-0	22,882	1	22,882
11	TUES.	N	6	LOS ANGELES	W	1-0		1-5	6	3½	RICHARD 1-1	Hooton 0-1	11,049	2	33,931
12	WED.	N	7	LOS ANGELES	W	11-10		2-5	T5	3½	SAMBITO 1-0	Castillo 0-1	11,824	3	45,755
14	FRI.	N	8	CINCINNATI	L	4-8		2-6	T5	4	Andujar 0-2	HUME 2-0	25,585	4	71,340
15	SAT.	N	9	CINCINNATI	W	6-1		3-6	5	4	LEMONGELLO 1-1	Capilla 0-1	34,858	5	106,198
16	SUN.	D	10	CINCINNATI	W	4-3		4-6	4	3	DIXON 1-0	Sarmiento 1-1	27,700	6	133,898
18	TUES.	N	11	San Diego	W	5-1		5-6	4	3½	NIEKRO 1-1	Shirley 0-3	10,840		
19	WED.	N	12	San Diego	W	2-1		6-6	4	2½	ANDUJAR 1-2	Freisleben 0-1	12,129		
20	THUR.	N	13	Los Angeles	L	1-5		6-7	4	3	Lemongello 1-2	RAU 2-0	24,049		
21	FRI.	N	14	Los Angeles	W	8-6		7-7			FORSCH 1-0	Castillo 0-1	44,867		
22	SAT.	N	15	Los Angeles	L	1-5		7-8	4	3	Bannister 0-2	HOOTON 1-2	52,346		
23	SUN.	D	16	Los Angeles	L	3-7		7-9	5	4	Niekro 1-2	SUTTON 2-1	51,500		
24	MON.	N	17	SAN DIEGO	W	4-3		8-9	4	3½	SAMBITO 2-0	Fingers 1-3	7,302	7	141,200
25	TUES.	N	18	SAN DIEGO	W	4-3		9-9	3	3	LEMONGELLO 2-2	Jones 1-1	7,459	8	148,659
26	WED.	N	19	SAN DIEGO	L	1-2		9-10	3	4	Richard 1-2	PERRY 2-0	8,769	9	157,428
28	FRI.	N	20	MONTREAL	L	3-6		9-11	4	5	Niekro 1-3	GRIMSLEY 4-0	11,476	10	168,904
29	SAT.	N	21	MONTREAL	W	3-1		10-11	T3	4	ANDUJAR 2-2	Rogers 2-3	46,215	11	215,119
30	SUN.	D	22	MONTREAL	L	1-2		10-12	4	4	Lemongello 2-3	MAY 2-1	11,515	12	226,634
MAY															
3	WED.	N	23	Montreal	L	3-10		10-13	4	4½	Richard 1-3	GRIMSLEY 5-0	5,299		
5	FRI.	N	24	Atlanta	L	2-5		10-14	5	6	Niekro 1-4	BOGGS 1-3	5,699		

6	SAT.	N	25	Atlanta	L	1-2	10	10-15	5	6	Forsch 1-1	CAMPBELL 1-1	7,901	
9	TUES.	N	26	Philadelphia	W	5-1		11-15	4	5½	RICHARD 2-3	Christenson 2-3	18,144	
10	WED.	N	27	Philadelphia	L	1-3		11-16	T4	5½	Lemongello 2-4	LONBORG 4-2	20,096	
12	FRI.	N	28	New York	W	5-4	14	12-16	4	4½	DIXON 2-0	Lockwood 1-3	8,649	
13	SAT.	D	29	New York	W	7-4		13-16	4	4½	NIEKRO 2-4	Bruhart 1-3	19,838	
15	MON.	N	30	PHILADELPHIA	W	5-0		14-16	4	5	RICHARD 2-3	Christenson 2-3	9,943	13
16	TUES.	N	31	PHILADELPHIA	W	6-1		15-16	4	5	LEMONGELLO 3-4	Carlton 4-4	11,381	14
17	WED.	N	32	PHILADELPHIA	W	2-1		16-16	4	5	ANDUJAR 3-2	Lerch 3-3	11,856	15
18	THUR.	N	33	PHILADELPHIA	L	5-8		16-17	4	5½	Sambito 2-1	GARBER 2-0	10,828	16
19	FRI.	N	34	ATLANTA	W	6-0		17-17	4	5½	BANNISTER 1-2	Ruthven 2-4	13,701	17
20	SAT.	N	35	ATLANTA	W	13-0		18-17	4	4½	RICHARD 4-3	Boggs 1-5	24,402	18
21	SUN.	D	36	ATLANTA	L	4-6		18-18	4	4½	Lemongello 3-5	P. NIEKRO 4-6	11,715	19
23	TUES.	N	37	San Francisco	L	2-3		18-19	4	5½	Sambito 2-2	MOFFITT 3-1	11,120	
24	WED.	D	38	San Francisco	L	0-2		18-20	4	6½	Forsch 1-2	MONTEFUSCO 4-2	6,158	
25	THUR.	D	39	San Francisco	L	1-9		18-21	T4	7½	Richard 4-4	HALICKI 1-0	6,209	
26	FRI.	N	40	NEW YORK	W	5-4		19-21	4	7½	LEMONGELLO 4-5	Koosman 2-5	11,158	20
27	SAT.	N	41	NEW YORK	L	7-9		19-22	4	7½	Sambito 2-3	METZGER 1-1	26,742	21
28	SUN.	D	42	NEW YORK	L	1-4		19-23	T4	8½	Dixon 2-1	ESPINOSA 5-2	12,133	22
29	MON.	N	43	SAN FRANCISCO	L	1-8		19-24	T4	9½	Bannister 1-3	HALICKI 2-0	10,012	23
30	TUES.	N	44	SAN FRANCISCO	L	0-1		19-25	T4	10½	Richard 4-5	KNEPPER 7-2	8,019	24
31	WED.	N	45	SAN FRANCISCO	W	1-0		20-25	T4	9½	LEMONGELLO 5-5	Blue 6-3	11,400	25
JUNE														
2	FRI.	N	46	ST. LOUIS	W	2-1		21-25	T4	9½	SAMBITO 3-3	Denny 4-4	10,315	26
3	SAT.	NDH	47	ST. LOUIS	W	5-2		22-25	-	-	BANNISTER 2-3	Falcone 0-4	-	
4	SUN.	D	48	ST. LOUIS	L	1-2		22-26	4	9	Dixon 2-2	VUCKOVICH 2-3	27,822	27
			49	ST. LOUIS	L	2-4		22-27	5	10	Richard 4-6	MARTINEZ 2-0	10,238	28
5	MON.	D	50	Chicago	L	1-2		22-28	5	10	Lemongello 5-6	HERNANDEZ 5-1	10,201	

HOUSTON DAY-BY-DAY 1978 (Continued)

DATE	DAY	D/N	GAME NO.	OPPONENT	W-L	SCORE	X-INN	RECORD	POS.	GB	ASTROS	PITCHERS OF RECORD OPPONENT	ATTENDANCE	HOME DATE	TOTAL HOME ATTENDANCE
JUNE															
6	TUES.	D	51	Chicago	L	4-9		22-29	5	10	Andujar 3-3	ROBERTS 3-0	14,107		
9	FRI.	N	52	St. Louis	W	11-7		23-29	4	8½	RICHARD 5-6	Frazier 0-1	40,764		
10	SAT.	N	53	St. Louis	W	12-5		24-29	4	8½	LEMONGELLO 6-6	B. Forsch 7-5	18,585		
11	SUN.	D	54	St. Louis	L	3-5		24-30	4	9½	Andujar 3-4	DENNY 6-4	17,298		
12	MON.	N	55	PITTSBURGH	W	6-5		25-30	4	9½	WILLIAMS 1-0	Whitson 0-1	9,886	29	458,185
13	TUES.	N	56	PITTSBURGH	W	2-1		26-30	4	9½	FORSCH 2-2	Bibby 4-3	10,487	30	468,672
14	WED.	N	57	PITTSBURGH	L	4-6		26-31	4	10½	Richard 5-7	WHITSON 1-1	12,440	31	481,112
16	FRI.	N	58	CHICAGO	L	6-7	13	26-32	4	11	Williams 1-1	P. REUSCHEL 2-0	18,948	32	500,060
17	SAT.	N	59	CHICAGO	W	5-4		27-32	4	11	J. NIEKRO 3-4	Hernandez 5-2	28,091	33	528,151
18	SUN.	N	60	CHICAGO	W	3-1		28-32	4	11½	DIXON 3-2	Lamp 2-6	14,770	34	542,921
20	TUES.	N	61	Los Angeles	W	5-3		29-32	4	10½	RICHARD 6-7	John 8-5	41,991		
21	WED.	N	62	Los Angeles	L	4-5	11	29-33	4	11½	Sambito 3-4	WELCH 1-0	34,975		
22	THUR.	D	63	Los Angeles	W	4-3		30-33	4	10½	NIEKRO 4-4	Rau 7-3	31,246		
23	FRI.	N	64	San Diego	L	0-3		30-34	4	11½	Dixon 3-3	PERRY 8-2	12,055		
24	SAT.	D	65	San Diego	L	5-6	10	30-35	T4	12½	Forsch 2-3	FINGERS 3-7	15,759		
25	SUN.	DDH	66	San Diego	L	1-6		30-36			Richard 6-8	SHIRLEY 4-9			
		DDH	67	San Diego	L	4-7		30-37	5	13½	McLaughlin 0-1	RASMUSSEN 3-7	20,342		
26	MON.	N	68	CINCINNATI	L	3-4		30-38	5	13½	Lemongello 6-7	SEAVER 9-5	20,394	35	563,294
27	TUES.	N	69	CINCINNATI	W	7-4		31-38	5	13½	NIEKRO 5-4	Bonham 8-2	16,848	36	580,142
28	WED.	N	70	CINCINNATI	W	3-0		32-38	5	13	DIXON 4-3	Norman 8-5	16,622	37	596,764
29	THUR.	N	71	CINCINNATI	W	5-0		33-38	5	12½	BANNISTER 3-3	Hume 2-8	17,564	38	614,328
30	FRI.	N	72	SAN DIEGO	L	2-5		33-39	5	12	Richard 6-9	SHIRLEY 5-9	9,194	39	623,522
JULY															
1	SAT.	NDH	73	SAN DIEGO	W	9-2		34-39			LEMONGELLO 7-7	Owchinko 5-7			
		NDH	74	SAN DIEGO	L	3-9		34-40	5	12½	Niekro 5-5	WILEY 1-0	22,076	40	645,598
2	SUN.	D	75	SAN DIEGO	L	2-6		34-41	5	12½	Dixon 4-4	PERRY 9-3	14,737	41	660,356

3	MON.	N	76	Cincinnati	L	7-8	10	34-42	5	12½	Sambito 3-5	BAIR 3-3	31,840	
4	TUES.	N	77	Cincinnati	W	3-1	35-42	5	11½	RICHARD 7-9	Hume 2-9	31,705		
5	WED.	N	78	Cincinnati	L	1-2	35-43	5	12½	Niekro 5-6	MOSKAU 1-2	30,320		
7	FRI.	N	79	LOS ANGELES	L	4-7	35-44	5	13½	Lemongello 7-8	RAU 9-4	20,707	42	
8	SAT.	NDH	80	LOS ANGELES	L	1-7	35-45			Bannister 3-4	HOOTON 8-7			
		NDH	81	LOS ANGELES	L	5-7	35-46		T6	15	Dixon 4-5	JOHN 10-6	37,073	43
9	SUN.	D	82	LOS ANGELES	W	5-1	36-46		T6	14	RICHARD 8-9	Sutton 9-7	30,285	44
							ALL-STAR BREAK (JULY 11, 1978)							
								36-47	6	15	Niekro 5-7	GRIMSLEY 12-6	15,337	
13	THUR.	N	83	Montreal	L	0-6						Bahnsen 0-3		
14	FRI.	NDH	84	Montreal	W	4-3	13	37-47			FORSCH 3-3	Pirtle 0-1	21,696	
		NDH	85	Montreal	W	5-4	10	38-47		6	13½	FORSCH 4-3		
15	SAT.	N	86	Montreal	L	0-8		38-48		6	14½	Dixon 4-6	FRYMAN 4-7	15,360
16	SUN.	D	87	Montreal	L	1-6		38-49		6	15	Bannister 3-5	SCHATZEDER 3-1	21,440
17	MON.	N	88	PHILADELPHIA	W	2-1	11	39-49		6	15	NIKRO 6-7	Eastwick 2-1	14,397
18	TUES.	N	89	PHILADELPHIA	W	9-1		40-49		6	14	RICHARD 9-9	Lonborg 7-7	15,478
19	WED.	NDH	90	New York	W	8-3		41-49				DIXON 5-6	Zachry 10-6	
		NDH	91	New York	L	1-2		41-50		6	14	Lemongello 7-9	SWAN 2-5	13,539
20	THUR.	DDH	92	New York	L	4-7		41-51				BRUHERT 2-5		
		DDH	93	New York	L	4-5	12	41-52		6	15	Sambito 3-6	MURRAY 5-4	13,341
21	FRI.	NDH	94	Philadelphia	L	1-6		41-53				Niekro 6-8	RUTHVEN 7-8	
		NDH	95	Philadelphia	L	2-8		41-54		6	15½	Williams 1-2	CHRISTENSON 7-8	35,389
22	SAT.	N	96	Philadelphia	L	2-3	10	41-55		6	16½	Forsch 4-4	REED 1-0	33,672
23	SUN.	D	97	Philadelphia	L	2-13		41-56		6	17½	Dixon 5-7	CARLTON 9-9	30,554
24	MON.	N	98	MONTREAL	W	6-5		42-56		6	17	FORSCH 5-4	Knowles 2-3	7,843
25	TUES.	N	99	MONTREAL	W	3-2	13	43-56		6	16½	FORSCH 6-4	Twitchell 3-10	794,522
26	WED.	N	100	MONTREAL	W	5-0		44-56		6	16	NIKRO 7-8	Grimsley 12-8	8,383
27	THUR.	N	101	NEW YORK	W	8-3		45-56		6	15½	RICHARD 10-9	Hausman 2-1	8,465
28	FRI.	N	102	NEW YORK	W	4-3	10	46-56		6	15½	SAMBITO 4-6	Lockwood 7-9	9,730
30	SUN.	N	103	NEW YORK	W	4-3		47-56		-6	15	ANDUJAR 4-4	Bernard 0-1	26,779
31	MON.	N	104	SAN FRANCISCO	W	4-1		48-56		T6	14	NIKRO 8-8	Halicki 5-5	17,502
														12,900
														869,898

HOUSTON DAY-BY-DAY 1978 (Continued)

DATE	DAY	GAME		W-L	SCORE	X-INN	RECORD	POS.	GB	ASTROS	PITCHERS OF RECORD	OPPONENT	ATTENDANCE	HOME DATE	TOTAL HOME ATTENDANCE
		D/N	NO.												
AUGUST	1	TUES.	N	105	SAN FRANCISCO	W	4-2	49-56	T6	13	RICHARD 11-9	Knepper 11-8	16,515	54	886,413
	2	WED.	N	106	SAN FRANCISCO	L	2-4	49-57	T6	14	Dixon 5-8	MONTEFUSCO 8-4	14,754	55	901,167
	4	FRI.	N	107	Atlanta	L	2-7	49-58	6	15½	Lemongello 7-10	NIEKRO 13-11	11,282		
	5	SAT.	NDH	108	Atlanta	W	5-3	50-58			NIEKRO 9-8	Hanna 7-10			
			NDH	109	Atlanta	W	7-0	51-58	5	14	RUHLE 1-0	Boggs 3-7	20,950		
	6	SUN.	D	110	Atlanta	L	2-3	51-59	T6	14	Richard 11-10	McWILLIAMS 4-0	8,551		
	8	TUES.	N	111	San Francisco	L	2-3	51-60	6	15	Dixon 5-9	MONTEFUSCO 9-4	31,904		
	9	WED.	D	112	San Francisco	W	6-5	52-60	6	14	LEMONGELLO 8-10	Barr 6-9	13,757		
	11	FRI.	N	113	ATLANTA	L	0-1	52-61	6	14½	Niekro 9-9	McWILLIAMS 5-0	16,035	56	917,202
	12	SAT.	N	114	ATLANTA	W	5-2	53-61	6	13½	RICHARD 12-10	Niekro 14-12	25,023	57	942,225
13	SUN.	D	115	ATLANTA	W	3-0	54-61	5	13½	RUHLE 2-0	Hanna 7-11	15,878	58	958,103	
14	MON.	N	116	St. Louis	W	6-0	55-61	5	13	DIXON 6-9	Forsch 9-14	12,555			
15	TUES.	N	117	St. Louis	L	5-11	55-62	5	13	Bannister 3-7	LOPEZ 3-1	12,606			
16	WED.	D	118	St. Louis	W	4-2	56-62	5	13	NIEKRO 10-9	Martinez 6-6	10,829			
17	THUR.	NDH	119	Pittsburgh	L	1-5	56-63			Richard 12-11	ROBINSON 9-5				
		NDH	120	Pittsburgh	L	2-3	56-64	5	14½	Lemongello 8-11	KISON 4-4	8,470			
18	FRI.	N	121	Pittsburgh	L	3-6	56-65	5	15½	Ruhle 2-1	BIBBY 7-7	8,632			
19	SAT.	N	122	Pittsburgh	L	2-4	56-66	5	15½	Bannister 3-8	BLYLEVEN 10-8	22,015			
20	SUN.	DDH	123	Pittsburgh	L	6-7	56-67			Dixon 6-10	ROOKER 8-8				
		DDH	124	Pittsburgh	L	1-3	56-68	6	17	Niekro 10-10	REUSS 1-2	21,851			
21	MON.	N	125	CHICAGO	W	8-3	57-68	T5	16	RICHARD 13-11	Reuschel 12-11	9,906	59	968,009	
22	TUES.	N	126	CHICAGO	W	2-1	58-68	5	15½	LEMONGELLO 9-11	Krukow 5-2	9,721	60	977,730	
23	WED.	N	127	CHICAGO	W	3-0	59-68	5	15½	FORSCH 7-4	Lamp 5-13	9,217	61	986,947	
25	FRI.	N	128	PITTSBURGH	W	7-5	60-68	5	15½	NIEKRO 11-10	Rooker 8-9	11,641	62	998,588	
26	SAT.	D	129	PITTSBURGH	W	7-2	61-68	5	15½	RICHARD 13-11	Kison 4-5	9,985	63	1,008,573	
27	SUN.	D	130	PITTSBURGH	L	5-8	61-69	5	15	Lemongello 9-12	JACKSON 6-3	10,947	64	1,019,520	
29	TUES.	N	131	ST. LOUIS	W	6-3	62-69	5	15½	FORSCH 8-4	Vuckovich 12-10	6,692	65	1,026,212	
30	WED.	N	132	ST. LOUIS	L	2-4	62-70	5	16½	Niekro 11-11	FORSCH 10-15	6,480	66	1,032,692	

SEPTEMBER

1	FRI.	D	133	Chicago	L	11-14	62-71	5	17½	Sambito 4-7	HERNANDEZ 8-2	16,117	
2	SAT.	DDH	134	Chicago	W	8-5	63-71	5	17	ANDUJAR 5-4	Sutter 7-5	24,064	
3	SUN.	DDH	135	Chicago	L	2-3	63-72			Forsch 8-5	LAMP 6-13		
4	MON.	N	136	Chicago	L	2-4	63-73	5	17½	Ruhle 2-2	MOORE 9-6	29,528	67
5	TUES.	N	137	CINCINNATI	L	3-6	63-74	5	18½	Niekro 11-12	BONHAM 10-4	11,090	68
6	THUR.	N	138	CINCINNATI	W	3-2	64-74	5	18	RICHARD 15-11	Seaver 12-14	8,811	69
7	FRI.	N	139	LOS ANGELES	L	2-3	64-75	5	19	Lemongello 9-13	HOOTON 17-8	7,846	70
8	SAT.	N	140	LOS ANGELES	W	5-0	65-75	5	18	FORSCH 9-5	Welch 5-3	12,905	71
9	SUN.	N	141	SAN DIEGO	W	10-4	66-75	5	17½	NIEKRO 12-12	Mura 0-1	8,240	72
10	SUN.	D	142	SAN DIEGO	W	3-2	67-75	5	17½	RICHARD 16-11	Rasmussen 14-21	5,720	
11	MON.	N	143	Cincinnati	L	8-9	67-76	5	18½	Andujar 5-5	TOMLIN 8-1	20,400	
12	TUES.	D	144	Cincinnati	L	3-4	67-77	5	19½	Sambito 4-8	BAIR 7-5	20,801	
13	WED.	N	145	Los Angeles	L	0-6	67-78	5	20½	Forsch 9-6	WELCH 6-3	27,063	
14	THUR.	N	146	Los Angeles	L	1-2	67-79	5	21½	Niekro 12-13	RHODEN 9-7	37,423	
15	FRI.	N	147	San Diego	W	8-4	68-79	5	21½	RICHARD 17-11	Rasmussen 14-13	6,866	
16	SAT.	N	148	San Diego	L	1-2	68-80	5	22½	Sambito 4-9	PERRY 19-6	10,171	
17	SUN.	D	149	San Diego	L	1-3	68-81	5	22½	Lemongello 9-14	JONES 12-14	10,004	
19	TUES.	N	150	ATLANTA	L	2-3	68-82	5	23	Andujar 5-6	GARBER 5-5	5,710	73
20	WED.	N	151	ATLANTA	L	2-3	68-83	5	23	Niekro 12-14	GARBER 6-5	3,758	74
21	THUR.	N	152	ATLANTA	W	2-0	69-83	5	22½	FORSCH 10-6	Niekro 19-16	3,775	75
22	FRI.	N	153	San Francisco	L	0-2	69-84	5	22½	Ruhle 10-6	KNEPPER 16-11	4,510	
23	SAT.	D	154	San Francisco	L	2-3	69-85	5	23½	Andujar 5-7	LAVELLE 13-10	6,433	
24	SUN.	DDH	155	San Francisco	L	0-7	69-86			Bannister 3-9	BLUE 18-9		
		DDH	156	San Francisco	L	4-6	69-87	T5	24½	Dixon 6-11	BARR 8-11	25,276	
26	TUES.	N	157	Atlanta	W	2-0	70-87	5	24	NIEKRO 13-14	Niekro 19-17	3,089	
27	WED.	N	158	Atlanta	W	4-0	71-87	5	23	RUHLE 3-3	LaCorte 0-1	2,710	
28	THUR.	N	159	Atlanta	W	4-3	72-87	5	22	RICHARD 18-11	McWilliams 9-3	2,560	
29	FRI.	N	160	SAN FRANCISCO	L	1-2	72-88	5	22	Warthen 0-1	HALICKI 9-10	8,339	76
30	SAT.	N	161	SAN FRANCISCO	W	7-4	73-88	5	22½	DIXON 7-11	Blue 18-10	10,182	77

OCTOBER

1	SUN.	D	162	SAN FRANCISCO	W	3-0	74-88	5	21	NIEKRO 14-14	Nastu 0-1	7,077	78
---	------	---	-----	---------------	---	-----	-------	---	----	--------------	-----------	-------	----

ASTROS VS. THE NATIONAL LEAGUE 1978

WESTERN DIVISION

ASTROS BATTING VS. ATLANTA

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.333	3	1	0	0	0	0
Baldwin	1.000	1	1	1	0	0	1
Bergman	.333	24	8	0	0	0	1
Bochy	.286	28	8	3	0	0	2
Cabell	.250	72	18	1	0	0	6
Cedeno	.125	8	1	0	0	0	1
Cruz	.323	65	21	3	1	2	12
Drumright	.143	7	1	0	0	0	0
Fischlin	.000	6	0	0	0	0	0
Gonzalez	.262	42	11	0	0	1	3
Howard	.273	11	3	0	0	0	0
Howe	.304	23	7	2	0	0	3
Landestoy	.286	28	8	1	0	0	2
Leonard	.438	16	7	1	0	0	4
Obradovich	.000	2	0	0	0	0	0
Puhl	.242	62	15	3	0	0	3
Pujols	.133	15	2	1	0	0	0
Sexton	.125	16	2	0	1	1	2
Walling	.261	23	6	1	0	1	6
Watson	.316	57	18	1	2	3	11
Team Totals	.256	587	150	18	4	9	63

ASTROS PITCHING VS. ATLANTA

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	0-1	1.29	5	1	0	13.2	6	3	2	4-1	8	0	2	0	0
Forsch	1-1	1.06	7	1	1	16.2	12	2	2	6-0	16	1	0	0	3
Niekro	2-3	2.31	6	5	1	39.0	36	12	10	13-0	21	2	2	1	0
Richard	3-1	1.70	5	5	2	37.0	17	7	7	19-0	49	1	0	0	0
Ruhle	3-0	0.00	3	3	2	25.0	13	0	0	6-0	11	0	0	0	0
Sambito	0-0	0.00	5	0	0	5.0	2	0	0	1-0	6	0	0	0	0
Team Totals	10-8	1.98	18	18	7	159.0	112	38	35	59-1	125	5	5	3	3

ASTROS BATTING VS. CINCINNATI

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.500	12	6	0	0	1	4
Baldwin	.500	2	1	0	0	0	0
Bergman	.143	14	2	0	0	0	1
Bochy	.182	11	2	1	0	1	1
Cabell	.338	74	25	5	1	1	14
Cedeno	.345	29	10	1	0	1	3
Cruz	.403	62	25	8	0	0	9
Drumright	.000	8	0	0	0	0	0
Fischlin	.188	16	3	1	0	0	0
Gonzalez	.100	20	2	0	0	0	0
Howard	.231	13	3	1	0	0	1
Howe	.286	49	13	4	0	2	5
Landestoy	.368	19	7	1	0	0	0
Obradovich	.000	1	0	0	0	0	0
Puhl	.301	73	22	2	2	2	7
Pujols	.250	16	4	1	0	0	1
Sexton	.000	3	0	0	0	0	0
Walling	.237	38	9	2	1	1	5
Watson	.271	59	16	2	0	2	16
Team Totals	.270	614	166	30	4	13	73

ASTROS PITCHING VS. CINCINNATI

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	0-3	6.55	4	2	1	11.0	10	8	8	8-0	3	1	0	1	0
Dixon	2-0	1.50	4	1	1	12.0	8	2	2	5-0	4	0	0	0	0
Forsch	0-0	0.00	2	0	0	1.1	1	0	0	0-0	0	0	0	0	0
McLaughlin	0-0	2.25	1	0	0	4.0	5	2	1	3-1	1	0	1	0	0
Niekro	1-3	5.19	4	4	1	26.0	27	15	15	18-0	9	2	1	2	0
Richard	2-1	3.77	4	4	2	30.2	21	13	13	17-1	35	2	0	1	0
Ruhle	0-0	4.50	1	1	0	6.0	5	3	3	4-0	1	0	0	0	0
Sambito	0-2	3.46	7	0	0	13.0	13	6	5	4-1	14	0	0	1	1
Warthen	0-0	18.00	2	0	0	1.0	3	2	2	1-0	1	0	0	1	0
Team Totals	7-11	4.02	18	18	8	159.1	136	76	71	81-6	106	10	4	13	1

ASTROS BATTING VS. LOS ANGELES

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.375	16	6	0	0	0	2
Baldwin	.333	6	2	0	0	0	0
Bergman	.125	8	1	0	0	0	1
Bochy	.250	12	3	0	0	0	0
Cabell	.293	75	22	3	0	1	8
Cedeno	.238	21	5	2	0	0	3
Cruz	.313	64	20	3	2	1	6
Drumright	.000	8	0	0	0	0	0
Fischlin	.133	15	2	0	0	0	0
Gonzalez	.167	12	2	0	0	0	0
Howard	.235	17	4	0	0	0	1
Howe	.260	50	13	3	0	1	6
Landestoy	.250	24	6	0	0	0	0
Leonard	.000	1	0	0	0	0	0
Obradovich	.000	1	0	0	0	0	0
Puhl	.292	72	21	4	0	0	2
Pujols	.125	16	2	1	0	0	0
Walling	.194	31	6	1	0	0	4
Watson	.364	55	20	6	2	1	9
Team Totals	.246	602	148	25	4	8	56

ASTROS PITCHING VS. LOS ANGELES

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Dixon	0-1	4.00	3	1	0	9.0	10	7	4	1-0	4	0	0	0	0
Forsch	2-1	3.18	11	2	2	34.0	35	12	12	10-3	17	0	0	1	0
McLaughlin	0-0	6.00	2	0	0	2.2	5	4	2	4-0	1	2	0	0	1
Niekro	1-2	5.04	5	4	2	24.2	26	17	14	12-0	12	1	1	5	0
Richard	3-0	2.17	4	4	2	29.1	17	7	7	18-0	32	2	0	2	0
Sambito	1-1	3.60	6	0	0	10.1	12	4	4	4-1	4	0	0	1	0
Team Totals	7-11	4.22	18	18	7	160.1	162	85	75	82-5	92	7	3	16	1

ASTROS BATTING VS. SAN DIEGO

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.292	24	7	1	0	0	2
Baldwin	.250	8	2	0	0	0	0
Bergman	.083	12	1	0	0	0	0
Bochy	.111	9	1	1	0	0	1
Cabell	.325	77	25	8	1	0	8
Cedeno	.200	20	4	1	0	0	1
Cruz	.204	49	10	1	0	0	4
Drumright	.000	7	0	0	0	0	0
Fischlin	.063	16	1	0	0	0	0
Gonzalez	.353	17	6	0	0	0	2
Howard	.357	14	5	2	0	0	6
Howe	.333	45	15	6	0	0	2
Landestoy	.200	20	4	0	0	0	0
Leonard	.250	4	1	0	0	0	0
Obradovich	.429	7	3	0	1	0	2
Puhl	.267	75	20	2	1	0	4
Pujols	.190	21	4	1	1	0	3
Sexton	.444	9	4	1	0	0	0
Walling	.324	34	11	2	1	1	6
Watson	.353	51	18	4	0	1	10
Team Totals	.257	607	156	32	6	3	61

ASTROS PITCHING VS. SAN DIEGO

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	1-0	2.12	3	2	0	16.2	14	4	4	7-0	8	0	1	1	0
Dixon	0-2	4.20	2	2	1	15.0	16	8	7	3-0	5	0	0	2	0
Forsch	0-1	6.00	4	0	0	6.0	10	4	4	3-2	3	0	0	0	0
McLaughlin	0-1	5.14	2	1	0	7.1	11	5	4	3-1	2	1	0	0	0
Niekro	2-1	3.15	3	3	2	19.2	16	10	7	5-0	10	0	1	0	0
Riccelli	0-0	0.00	1	0	0	2.0	1	0	0	0-0	1	0	0	0	0
Richard	2-3	3.95	5	5	3	41.0	37	18	18	31-1	47	0	2	0	0
Ruhle	0-0	1.29	1	1	0	7.0	2	1	1	2-0	2	0	0	0	0
Sambito	1-1	2.25	6	0	0	7.2	10	3	2	4-1	6	0	0	0	1
Team Totals	8-10	3.40	18	18	8	159.0	154	69	60	52-9	101	1	5	6	1

ASTROS BATTING VS. SAN FRANCISCO

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.111	18	2	0	0	0	2
Baldwin	.100	10	1	0	0	0	2
Bergman	.130	23	3	0	0	0	3
Bochy	.250	28	7	0	0	0	1
Cabell	.296	71	21	5	0	1	4
Cedeno	.185	27	5	0	0	1	2
Cruz	.393	61	24	4	1	0	9
Drumright	.333	9	3	0	0	0	0
Fischlin	.000	7	0	0	0	0	0
Gonzalez	.275	40	11	1	0	0	5
Howard	.087	23	2	0	0	0	0
Howe	.176	17	3	0	0	0	0
Landestoy	.167	30	5	0	0	0	0
Leonard	.400	5	2	1	0	0	0
Obradovich	.000	6	0	0	0	0	0
Puhl	.333	48	16	1	0	0	1
Pujols	.167	6	1	1	0	0	0
Sexton	.190	21	4	1	1	0	0
Walling	.100	10	1	0	0	0	2
Watson	.180	50	9	2	0	0	3
Team Totals	.225	581	131	16	2	2	36

ASTROS PITCHING VS. SAN FRANCISCO

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	0-1	3.00	4	0	0	6.1	10	2	2	4-1	3	1	0	1	0
Dixon	1-3	4.20	5	5	0	30.1	27	16	14	10-1	13	0	1	2	0
Forsch	0-1	3.60	3	0	0	5.0	5	4	2	1-1	1	1	0	0	1
Niekro	2-0	2.85	4	2	1	17.0	12	5	5	3-0	4	1	1	0	0
Riccelli	0-0	0.00	1	0	0	1.0	0	0	0	0-0	0	0	0	0	0
Richard	1-2	1.45	4	4	1	30.2	21	10	5	24-1	30	5	0	0	0
Ruhle	0-1	1.00	2	1	0	9.0	10	2	1	2-1	4	0	0	0	0
Sambito	0-1	4.50	5	0	0	5.2	5	3	3	2-0	8	0	0	0	2
Warthen	0-1	2.70	3	1	0	9.2	7	3	3	1-0	1	0	0	2	0
Team Totals	6-12	3.02	18	18	3	154.2	134	62	52	60-5	86	9	3	10	4

EASTERN DIVISION

ASTROS BATTING VS. CHICAGO

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.222	9	2	0	0	0	0
Baldwin	.200	10	2	1	0	0	1
Bergman	.154	13	2	0	0	0	0
Bochy	.389	18	7	1	0	1	4
Cabell	.304	46	14	1	0	0	2
Cedeno	.333	3	1	0	0	0	1
Cruz	.364	44	16	2	1	1	6
Drumright	.313	16	5	0	0	0	2
Fischlin	.000	5	0	0	0	0	0
Gonzalez	.176	17	3	0	0	0	1
Howard	.250	12	3	0	0	0	1
Howe	.323	31	10	5	0	0	6
Landestoy	.316	19	6	0	0	0	1
Puhl	.342	38	13	3	0	0	4
Pujols	.000	6	0	0	0	0	0
Sexton	.222	18	4	1	0	0	2
Walling	.289	38	11	2	1	0	3
Watson	.313	32	10	1	0	1	5
Team Totals	.286	413	118	19	2	3	45

ASTROS PITCHING VS. CHICAGO

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	1-1	7.50	5	2	0	11.2	15	10	10	12-3	6	0	0	0	0
Dixon	1-0	2.25	2	1	0	8.0	6	2	2	4-1	2	0	0	0	0
Forsch	1-1	1.93	3	2	0	14.1	16	4	3	3-0	6	0	0	0	0
Niekro	1-0	1.29	1	0	0	6.2	2	2	1	0-0	5	1	0	0	0
Richard	1-0	9.00	2	2	0	11.1	14	11	11	6-0	11	0	0	3	0
Ruhle	0-1	6.00	1	1	0	5.2	8	4	4	2-0	1	0	0	0	0
Sambito	0-1	1.38	9	0	0	13.0	11	2	2	1-0	11	1	0	1	3
Team Totals	6-6	4.12	12	12	1	107.1	108	52	49	43-6	52	3	2	5	3

ASTROS BATTING VS. MONTREAL

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.278	18	5	1	0	0	3
Baldwin	1.000	1	1	0	0	0	1
Bergman	.125	8	1	0	0	0	0
Bochy	.200	5	1	0	0	0	0
Cabell	.327	49	16	3	2	1	5
Cedeno	.353	17	6	2	0	2	3
Cruz	.300	40	12	2	0	1	4
Fischlin	.286	7	2	0	0	0	0
Gonzalez	.200	10	2	0	0	0	1
Howard	.296	27	8	1	1	1	1
Howe	.262	42	11	2	0	0	2
Landestoy	.296	27	8	1	0	0	2
Puhl	.220	41	9	0	0	0	3
Pujols	.080	25	2	1	0	1	2
Sexton	.267	15	4	0	0	0	0
Walling	.200	5	1	0	0	0	0
Watson	.239	46	11	2	0	2	5
Team Totals	.264	425	112	18	3	8	34

ASTROS PITCHING VS. MONTREAL

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	1-0	1.00	1	1	1	9.0	3	1	1	4-0	5	0	0	0	0
Dixon	0-1	12.00	3	1	0	6.1	13	9	8	2-0	3	0	0	1	0
Forsch	4-0	1.29	7	0	0	14.1	9	2	2	6-4	6	0	1	0	0
McLaughlin	0-0	0.00	3	0	0	4.0	3	0	0	0-0	4	0	0	0	1
Niekro	1-2	4.00	3	3	1	17.2	14	8	8	6-0	6	0	2	0	0
Richard	0-1	5.79	2	2	0	14.0	12	11	9	10-0	13	0	0	1	0
Ruhle	0-0	1.13	1	1	0	8.0	7	1	1	0-0	6	1	0	0	0
Sambito	0-0	18.00	2	0	0	1.0	3	2	2	4-2	1	0	0	0	0
Team Totals	6-6	3.98	12	12	12	113.0	105	53	50	38-7	67	2	4	5	1

ASTROS BATTING VS. NEW YORK

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.600	5	3	0	0	1	3
Bergman	.414	29	12	3	1	0	1
Bochy	.417	12	5	1	0	1	2
Cabell	.300	50	15	2	1	1	9
Cedeno	.208	24	5	1	0	1	2
Cruz	.286	49	14	2	1	2	7
Fischlin	.167	6	1	0	0	0	0
Gonzalez	.250	8	2	1	0	0	0
Howard	.222	9	2	0	0	0	0
Howe	.244	41	10	4	0	2	10
Landestoy	.316	19	6	1	0	0	3
Puhl	.321	53	17	2	1	0	3
Pujols	.100	10	1	0	0	0	2
Sexton	.250	4	1	0	0	0	0
Walling	.000	7	0	0	0	0	1
Watson	.294	34	10	1	0	1	6
Team Totals	.272	423	115	20	4	9	54

ASTROS PITCHING VS. NEW YORK

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	1-0	3.00	3	2	0	12.0	7	5	4	7-0	6	1	0	0	0
Dixon	2-1	3.24	4	3	0	24.2	22	9	9	8-1	13	0	0	0	0
Forsch	0-0	3.46	5	0	0	12.2	18	6	5	5-2	4	0	0	0	1
McLaughlin	0-0	0.00	2	0	0	2.2	2	0	0	2-0	0	0	0	0	0
Niekro	1-0	7.20	1	1	0	5.0	10	4	4	3-0	4	0	0	0	0
Richard	1-0	3.00	1	1	1	9.0	2	3	3	5-0	9	3	0	1	0
Ruhle	0-0	6.00	1	1	0	3.1	7	2	2	2-0	1	0	0	0	0
Sambito	1-2	2.77	8	0	0	13.0	13	4	4	4-0	11	0	0	0	2
Team Totals	7-5	3.91	12	12	2	114.2	120	52	50	49-5	61	4	0	5	3

ASTROS BATTING VS. PHILADELPHIA

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.375	8	3	1	1	0	2
Bergman	.263	19	5	0	0	0	1
Bochy	.333	3	1	0	0	0	0
Cabell	.383	47	18	0	0	1	2
Cedeno	.450	20	9	0	1	2	3
Cruz	.262	42	11	2	0	1	7
Fischlin	.125	8	1	0	0	0	0
Gonzalez	.000	1	0	0	0	0	0
Howard	.182	11	2	0	0	0	0
Howe	.341	41	14	5	2	0	3
Landestoy	.263	19	5	0	0	0	1
Puhl	.326	43	14	3	0	0	5
Pujols	.158	19	3	2	0	0	3
Sexton	.000	1	0	0	0	0	1
Walling	.125	8	1	1	0	0	0
Watson	.302	43	13	4	0	1	6
Team Totals	.280	404	113	19	4	5	37

ASTROS PITCHING VS. PHILADELPHIA

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	1-0	1.80	1	1	0	5.0	2	1	1	3-0	5	0	0	0	0
Dixon	0-1	6.75	2	1	0	8.0	11	6	6	2-0	5	0	0	0	1
Forsch	0-1	2.57	2	0	0	7.1	11	2	2	1-1	4	0	0	0	0
McLaughlin	0-0	18.00	2	0	0	2.2	4	6	6	4-0	2	0	1	2	0
Niekro	1-1	5.63	3	3	1	16.0	16	10	10	6-0	10	2	1	1	0
Richard	3-0	0.75	4	4	3	36.0	21	4	3	15-0	38	1	0	2	0
Sambito	0-1	5.40	4	0	0	5.0	3	3	3	2-0	9	0	0	1	0
Team Totals	6-6	3.69	12	12	4	105.0	98	45	43	45-2	84	3	2	9	1

ASTROS BATTING VS. PITTSBURGH

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.444	18	8	2	0	0	1
Baldwin	.143	7	1	0	0	1	1
Bergman	.333	18	6	1	0	0	4
Bochy	.294	17	5	1	0	0	4
Cabell	.180	50	9	1	2	0	8
Cedeno	.273	11	3	0	1	0	4
Cruz	.261	46	12	3	1	1	8
Gonzalez	.235	34	8	1	0	0	1
Howard	.111	9	1	0	0	0	0
Howe	.273	44	12	1	0	0	5
Landestoy	.250	4	1	0	1	0	0
Puhl	.242	33	8	0	2	1	1
Pujols	.071	14	1	0	0	0	0
Sexton	.219	32	7	0	0	1	1
Walling	.258	31	8	0	0	0	3
Watson	.125	8	1	0	0	0	0
Team Totals	.235	404	95	11	7	4	41

ASTROS PITCHING VS. PITTSBURGH

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	0-0	4.00	6	0	1	8.2	8	4	4	3-1	5	0	1	0	1
Dixon	0-1	7.20	3	2	0	9.2	17	9	8	2-0	8	0	0	2	0
Forsch	1-0	0.00	3	0	0	6.0	2	0	0	0-0	3	0	0	0	0
Niekro	1-1	4.50	3	2	0	14.0	18	8	7	3-1	9	0	0	2	0
Richard	1-2	4.50	3	3	1	22.0	20	11	11	6-0	14	0	0	2	0
Ruhle	0-1	12.00	2	1	0	3.0	5	4	4	2-0	1	0	1	0	0
Sambito	0-0	3.00	7	0	0	9.1	7	3	3	5-2	20	0	0	0	2
Team Totals	4-8	4.59	12	12	1	102.0	108	56	52	35-7	82	1	3	8	3

ASTROS BATTING VS. ST. LOUIS

PLAYER	AVG	AB	H	2B	3B	HR	RBI
Alou	.250	8	2	0	0	0	0
Baldwin	.273	22	6	3	0	0	5
Bergman	.111	18	2	1	0	0	0
Bochy	.091	11	1	0	0	0	0
Cabell	.245	49	12	2	1	1	5
Cedeno	.417	12	5	1	0	0	0
Cruz	.302	43	13	4	2	1	11
Gonzalez	.227	22	5	0	1	0	3
Howard	.500	2	1	0	0	0	1
Howe	.405	37	15	1	1	2	13
Landestoy	.222	9	2	1	0	0	0
Puhl	.298	47	14	5	0	0	2
Pujols	.000	5	0	0	0	0	0
Sexton	.136	22	3	0	0	0	0
Walling	.364	22	8	2	0	0	6
Watson	.269	26	7	2	0	2	8
Team Totals	.259	398	103	23	5	6	57

ASTROS PITCHING VS. ST. LOUIS

PITCHER	W-L	ERA	G	GS	GC	IP	H	R	ER	BB-I	SO	WP	HB	HR	SV
Andujar	0-1	3.18	3	2	0	16.2	13	7	6	6-0	6	0	0	0	0
Dixon	1-1	1.13	2	2	1	17.0	10	2	2	3-0	9	0	0	1	0
Forsch	1-0	4.50	5	1	1	15.2	17	8	8	2-0	11	0	0	1	2
Niekro	1-1	3.18	2	2	1	17.0	13	6	6	4-0	7	0	0	2	0
Richard	1-1	5.14	2	2	1	14.1	10	9	8	8-1	25	2	0	0	0
Ruhle	0-0	0.00	1	0	0	1.0	0	0	0	0-0	0	0	0	0	0
Sambito	1-0	3.60	4	0	0	5.0	6	2	2	1-0	6	0	0	1	0
Team Totals	7-5	3.74	12	12	5	106.0	91	46	44	34-1	74	2	0	6	2

OFFICIAL R/L H/R STATISTICS—1978

ASTROS AT HOME

	VS. LHP			VS. RHP			TOTALS		
	AB	H	AVG	AB	H	AVG	AB	H	AVG
Alou	44	18	.409	15	1	.067	59	19	.322
Baldwin	14	2	.143	13	5	.385	27	7	.259
Bergman	9	2	.222	79	20	.253	88	22	.250
Bochy	19	4	.211	46	13	.283	65	17	.262
Cabell	96	30	.313	232	77	.332	328	107	.326
Cannon	1	1	1.000	4	0	.000	5	1	.200
Cedeno	34	8	.235	73	24	.329	107	32	.299
Cruz	68	20	.294	207	75	.362	275	95	.345
Drumright	1	0	.000	22	2	.091	23	2	.087
Fischlin	21	2	.095	21	2	.095	42	4	.095
Gonzalez	30	7	.233	73	19	.260	103	26	.252
Howard	45	14	.311	34	11	.324	79	25	.316
Howe	66	18	.273	158	49	.310	224	67	.299
Landestoy	18	4	.222	74	22	.297	92	26	.283
Leonard	4	1	.250	5	3	.600	9	4	.444
Obradovich	0	0	.000	3	0	.000	3	0	.000
Puhl	91	19	.211	190	60	.316	281	79	.281
Pujols	20	4	.250	56	8	.143	76	12	.158
Sexton	29	8	.276	44	7	.159	73	15	.205
Walling	23	2	.087	118	33	.280	141	35	.248
Watson	65	17	.262	159	48	.302	224	65	.290

***Totals** 698 181 .259 1626 479 .295 2324 660 .284

ASTROS ON ROAD

	VS. LHP			VS. RHP			TOTALS		
	AB	H	AVG	AB	H	AVG	AB	H	AVG
Alou	60	22	.367	20	4	.250	80	26	.325
Baldwin	11	2	.182	29	8	.276	40	10	.250
Bergman	28	2	.071	70	19	.271	98	21	.214
Bochy	22	11	.500	67	13	.194	89	24	.270
Cabell	102	26	.255	230	62	.270	332	88	.265
Cannon	1	0	.000	12	3	.250	13	3	.231
Cedeno	15	1	.067	70	21	.300	85	22	.259
Cruz	94	23	.245	196	60	.306	290	83	.286
Drumright	4	0	.000	28	7	.250	32	7	.219
Fischlin	25	4	.160	19	2	.105	44	6	.136
Gonzalez	35	15	.429	85	11	.129	120	26	.217
Howard	31	2	.065	38	7	.184	69	9	.130
Howe	43	18	.419	153	38	.248	196	56	.286
Landestoy	42	12	.286	84	20	.238	126	32	.254
Leonard	8	2	.250	9	4	.444	17	6	.353
Obradovich	1	1	1.000	13	2	.154	14	3	.214
Puhl	88	24	.273	216	66	.306	304	90	.296
Pujols	33	2	.061	44	6	.136	77	8	.104
Sexton	26	7	.269	42	7	.167	68	14	.206
Walling	10	0	.000	96	27	.281	106	27	.255
Watson	83	28	.337	154	40	.260	237	68	.287

***Totals** 762 202 .265 1675 427 .255 2437 629 .258

*Totals do not include pitchers hitting, and are of those players listed

1978—FINAL ASTROS PITCHERS AS STARTERS AND RELIEVERS

	OPP AVG	OPP AB	ERA	W-L	G	GS	CG	SV	SHO	IP	H	R	ER	HR	BB-I	SO	WP	HP
Team	.240	4068	3.63	58-70	162	162	48	—	*13	1091.1	978	479	440	70	428-18	696	36	25
	.267	1310	3.64	16-18	114	—	—	23	—	349.0	350	155*	141	16	150-36	234	11	6
Andujar	.209	297	3.07	3-4	13	13	2	—	0	82.0	62	31	28	2	37-0	38	2	2
	.274	95	4.34	2-3	22	—	—	1	—	28.2	26	14	14	1	21-6	17	1	2
Bannister	.296	348	5.48	3-9	16	16	2	—	2	87.0	103	53	53	11	51-4	71	5	1
	.212	80	2.35	0-0	12	—	—	0	—	23.1	17	6	6	2	12-0	23	2	0
Dixon	.261	459	4.20	5-11	19	19	3	—	2	120.1	120	64	56	8	34-1	59	0	1
	.286	70	2.70	2-0	11	—	—	1	—	19.2	20	6	6	0	6-2	7	0	0
Forsch	.232	177	2.06	4-2	6	6	4	—	*2	48.1	41	12	11	2	7-1	32	1	0
	.287	331	3.07	6-4	46	—	—	7	*0	85.0	95	32	29	0	30-12	39	1	1
Lemongello	.263	777	4.02	9-14	30	30	9	—	1	206.1	204	100	92	20	65-5	75	4	9
	.000	12	0.00	0-0	3	—	—	1	—	4.0	0	0	0	0	1-0	2	0	0
Niegro	.249	712	3.88	13-14	29	29	10	—	*1	188.1	177	89	81	13	71-1	91	7	9
	.245	53	3.86	1-0	6	—	—	0	—	14.1	13	8	6	0	2-0	6	2	0
Riccelli						All Relief												
Richard	.100	10	0.00	0-0	2	—	—	0	—	3.0	1	0	0	0	0-0	1	0	0
	.196	979	3.11	18-11	36	36	16	—	3	275.1	192	104	95	12	141-4	303	16	2
Ruhle						All Starts												
Ruhle	.226	243	2.25	3-3	10	10	2	—	2	64.0	55	17	16	0	20-1	24	1	1
	.167	12	0.00	0-0	3	—	—	0	—	4.0	2	0	0	0	0-0	3	0	0
Sambito						All Relief												
Warthen	.260	327	3.07	4-9	62	—	—	11	—	88.0	85	32	30	5	32-7	96	1	0
	.185	27	2.25	0-1	1	1	0	—	0	8.0	5	2	2	1	0-0	1	0	0
	.385	13	9.00	0-0	4	—	—	0	—	2.2	5	3	3	2	2-0	1	0	0

*Does not include following combined shutouts: Forsch & Sambito; Niegro & Forsch; Ruhle & Sambito; Niegro, Ruhle & Lemongello

ASTROS PITCHERS 1978—HOME/ROAD/STATISTICS

PLAYER	H/R	OPP AVG	OPP AB	ERA	W-L	G	GS	CG	SV	SHO	IP	H	R	ER	HR	BB-I	SO	WP	HP
Team	H	.221	2720	2.85	50-31	81	81	33	12	12	745.0	602	254	236	29	265-18	511	35	13
	R	.273	2658	4.47	24-57	81	81	15	11	5	695.1	726	380	345	57	313-36	419	12	18
Andujar	H	.223	179	3.35	3-2	16	7	1	1	0	50.2	40	19	19	1	31-2	27	2	1
	R	.225	213	3.45	2-5	19	6	1	0	0	60.0	48	26	23	2	27-4	28	1	3
Bannister	H	.230	217	2.33	3-3	12	7	2	0	2	57.2	50	15	15	3	27-0	48	6	0
	R	.332	211	7.47	0-6	16	9	0	0	0	52.2	70	44	44	10	36-4	46	1	1
Dixon	H	.243	292	3.35	4-5	15	10	2	1	1	78.1	71	33	29	4	20-0	42	0	1
	R	.291	237	4.79	3-6	15	9	1	0	1	61.2	69	37	33	4	20-3	24	0	0
Forsch	H	.239	272	2.22	7-0	24	4	3	2	*2	73.0	65	18	18	1	17-8	48	1	1
	R	.301	236	3.30	3-6	28	2	1	5	*0	60.1	71	26	22	1	20-5	23	1	0
Lemongello	H	.248	447	3.30	7-8	17	16	7	1	*1	120.1	111	47	44	10	29-0	47	4	4
	R	.272	342	4.80	2-6	16	14	2	0	0	90.0	93	53	48	10	37-5	30	0	5
Niekro	H	.240	408	3.72	8-6	20	15	5	0	*1	109.0	98	51	45	2	32-0	53	4	4
	R	.258	357	4.02	6-8	15	14	5	0	0	93.2	92	46	42	11	41-1	44	5	5
ALL ROAD																			
Riccelli	H	.100	10	0.00	0-0	2	0	0	0	0	3.0	1	0	0	0	0-0	1	0	0
	R	.155	550	2.07	12-5	19	19	13	0	3	161.1	85	40	37	3	84-4	175	14	0
Richard	H	.249	429	4.58	6-6	17	17	3	0	0	114.0	107	64	58	9	57-0	128	2	2
	R	.182	77	0.43	1-0	5	2	1	0	*1	21.0	14	1	1	0	3-0	12	1	0
Ruhle	H	.242	178	2.87	2-3	8	8	1	0	1	47.0	43	16	15	0	17-1	15	0	1
	R	.318	132	3.34	4-2	27	0	-0	7	*0	35.1	42	13	13	2	10-3	43	1	0
Sambito	H	.221	195	2.89	0-7	35	0	0	4	0	52.2	43	19	17	3	22-4	53	0	0
	R	.219	32	4.00	0-1	2	1	0	0	0	9.0	7	4	4	2	1-0	2	0	0
Warthen	H	.375	8	4.50	0-0	3	0	0	0	0	1.2	3	1	1	1	1-0	0	0	0

* Does not include following combined shutouts: Forsch & Sambito; Niekro & Forsch; Ruhle & Sambito; Niekro, Ruhle & Lemongello.

HOUSTON PITCHERS VS. THE NATIONAL LEAGUE (1978)

	WEST						EAST						GRAND	
	ATL	CIN	LA	SD	SF	TOTAL	CHI	MON	NY	PHI	PIT	STL	TOTAL	TOTAL
Andujar	0-1	0-3	0-0	1-0	0-1	1-5	1-1	1-0	1-0	1-0	0-0	0-1	4-2	5-7
Bannister	1-0	1-0	0-3	0-0	0-2	2-5	0-0	0-1	0-1	0-0	0-1	1-1	1-4	3-9
Dixon	0-0	2-0	0-1	0-2	1-3	3-6	1-0	0-1	2-1	0-1	0-1	1-1	4-5	7-11
Forsch	1-1	0-0	2-1	0-1	0-1	3-4	1-1	4-0	0-0	0-1	1-0	1-0	7-2	10-6
Lemongello	0-2	1-2	0-3	2-1	2-0	5-8	1-1	0-1	1-1	1-1	0-2	1-0	4-6	9-14
McLaughlin	0-0	0-0	0-0	0-1	0-0	0-1	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-1
Niekro	2-3	1-3	1-2	2-1	2-0	8-9	1-0	1-2	1-0	1-1	1-1	1-1	6-5	14-14
Richard	3-1	2-1	3-0	2-3	1-2	11-7	1-0	0-1	1-0	3-0	1-2	1-1	7-4	18-11
Ruhle	3-0	0-0	0-0	0-0	0-1	3-1	0-1	0-0	0-0	0-0	0-1	0-0	0-2	3-3
Sambito	0-0	0-2	1-1	1-1	0-1	2-5	0-1	0-0	1-2	0-1	0-0	1-0	2-4	4-9
Warthen	0-0	0-0	0-0	0-0	0-1	0-1	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-1
Williams	0-0	0-0	0-0	0-0	0-0	0-0	0-1	0-0	0-0	0-1	1-0	0-0	1-2	1-2

Pentz, Riccelli, and Zamora appeared in 1978 without decisions.

HOUSTON PITCHERS LIFETIME RECORDS VS. THE NATIONAL LEAGUE

	WEST						EAST						GRAND TOTAL
	ATL	CIN	HOU	LA	SD	SF	CHI	MON	NY	PHI	PIT	STL	
Andujar	2-3	5-4	—	4-2	2-4	1-2	3-3	3-0	3-2	2-1	0-3	0-1	26-25
Dixon	0-0	2-0	—	0-1	0-2	1-3	1-0	0-1	2-1	0-1	0-1	2-1	8-11
Forsch	10-7	6-9	—	7-5	7-4	1-10	5-6	7-4	5-5	2-2	3-4	2-6	55-62
McLaughlin	0-1	0-1	—	2-2	2-2	1-1	0-0	1-0	0-0	1-2	0-1	1-3	8-13
Mendoza	0-0	0-0	—	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Niekro	11-9	7-15	3-6	6-6	8-4	8-5	4-5	5-4	5-5	3-5	9-6	5-5	74-75
Niemann	0-0	0-0	—	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Pladson	0-0	0-0	—	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Riccelli	0-0	0-0	0-1	0-0	1-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	1-1
Richard	10-6	8-8	—	9-4	10-7	10-7	6-4	7-3	6-2	6-4	3-7	4-2	79-54
Ruhle	3-0	0-0	—	0-0	0-0	0-1	0-1	0-0	0-0	0-0	0-0	0-1	3-3
Sambito	1-2	1-2	—	1-3	2-1	2-1	1-1	0-0	1-4	0-1	0-1	3-0	12-16
Warthen	1-1	0-1	—	0-1	1-2	3-4	0-4	0-1	2-1	1-2	1-2	3-2	12-21
Wilson	0-0	0-0	—	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0

HOUSTON PITCHERS RECORDS AGAINST THE NATIONAL LEAGUE WHILE WITH HOUSTON ONLY

	WEST						EAST						GRAND TOTAL	
	ATL	CIN	LA	SD	SF	TOTAL	CHI	MON	NY	PHI	PIT	STL		TOTAL
Andujar	2-3	5-4	4-2	2-4	1-2	14-15	3-3	3-0	3-2	2-1	0-3	0-1	12-10	26-25
Dixon	0-0	2-0	0-1	0-2	1-3	3-6	1-0	0-1	2-1	0-1	0-1	2-1	5-5	8-11
Forsch	10-7	6-9	7-5	7-4	1-10	31-35	5-6	7-4	5-5	2-2	3-4	2-6	24-27	55-62
McLaughlin	0-1	0-1	2-2	2-2	1-1	5-7	0-0	0-0	1-0	1-2	0-1	1-3	3-6	8-13
Mendoza	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Niekro	4-4	3-8	1-4	8-3	5-2	21-21	3-0	3-2	3-2	2-4	3-3	2-2	16-13	37-34
Niemann	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Pladson	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Riccelli	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0
Richard	10-6	8-8	9-4	10-7	10-7	47-32	6-4	7-3	6-2	6-4	3-7	4-2	32-22	79-54
Ruhle	3-0	0-0	0-0	0-0	0-1	3-1	0-1	0-0	0-0	0-0	0-0	0-1	0-2	3-3
Sambito	1-2	1-2	1-3	2-1	2-1	7-9	1-1	0-0	1-4	3-5	2-5	4-3	11-18	18-27
Warthen	0-0	0-0	0-0	0-0	0-1	0-1	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-1
Wilson	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0

1978 ASTROS PITCHING LEADERS

ERA—Vern Ruhle—2.12
 Wins—J. R. Richard—18
 Losses—Mark Lemongello—14
 Joe Niekro—14
 Games—Joe Sambito—62
 Starts—J. R. Richard—36
 Complete Games—J. R. Richard—16
 Saves—Joe Sambito—11
 Shutouts—J. R. Richard—3
 Innings Pitched—J. R. Richard—275.1

Hits—Mark Lemongello—204
 Runs—J. R. Richard—104
 Earned Runs—J. R. Richard—95
 Home Runs—Mark Lemongello—20
 Bases on Balls—J. R. Richard—141
 Strikeouts—J. R. Richard—303*
 Wild Pitches—J. R. Richard—16
 Hit Batsmen—Mark Lemongello—9
 Joe Niekro—9

* = Denotes club record

ASTROS BATTING

VS. LHP—1978

VS. RHP—1978

	AB	H	HR	RBI	AVG		AB	H	HR	RBI	AVG
Alou	104	40	1	14	.385	Alou	35	5	1	5	.143
Baldwin	25	4	0	1	.160	Baldwin	42	13	1	10	.310
Bergman	37	4	0	2	.108	Bergman	149	39	0	10	.262
Bochy	41	15	3	7	.366	Bochy	113	26	0	8	.230
Cabell	198	56	0	20	.283	Cabell	462	139	7	51	.301
Cannon	2	1	0	0	.500	Cannon	16	3	0	1	.188
Cedeno	49	9	3	5	.184	Cedeno	143	45	4	18	.315
Cruz	162	43	3	27	.265	Cruz	403	135	7	56	.335
Drumright	5	0	0	0	.000	Drumright	50	9	0	2	.180
Fischlin	46	6	0	0	.130	Fischlin	40	4	0	0	.100
Gonzalez	65	22	0	2	.338	Gonzalez	158	30	1	14	.190
Howard	76	16	1	7	.211	Howard	72	18	0	6	.250
Howe	109	36	2	15	.330	Howe	311	87	5	40	.280
Landestoy	60	16	0	2	.267	Landestoy	158	42	0	7	.266
Leonard	12	3	0	0	.250	Leonard	14	7	0	4	.500
Obradovich	1	1	0	0	1.000	Obradovich	16	2	0	2	.125
Puhl	179	43	2	10	.240	Puhl	406	126	1	25	.310
Pujols	53	6	0	4	.113	Pujols	100	14	1	7	.140
Sexton	55	15	1	3	.273	Sexton	86	14	1	3	.163
Walling	33	2	0	3	.061	Walling	214	60	3	33	.280
Watson	148	45	5	21	.304	Watson	313	88	9	58	.281
*Totals	1460	383	21	143	.262	*Totals	3301	906	41	358	.274

ASTROS HOME RUN TABLE—WITH HOUSTON ONLY

PLAYER VS.													GRAND
	ATL H-R	CHI H-R	CIN H-R	LA H-R	MON H-R	NY H-R	PHI H-R	PIT H-R	STL H-R	SD H-R	SF H-R	TOTAL H-R	TOTAL
Alou	0-0	1-1	0-2	0-0	0-3	1-1	0-0	1-0	0-0	0-0	0-1	3-8	11
Baldwin	0-0	0-0	0-0	0-0	0-0	0-0	0-0	1-0	0-0	0-0	0-0	0-0	1
Bochy	0-0	0-1	0-1	0-0	0-0	0-1	0-0	0-0	0-0	0-0	0-0	0-3	3
Cabell	1-1	0-2	4-1	1-1	1-1	1-2	0-4	0-0	1-1	2-1	1-1	12-15*	27
Cedeno	6-14	5-4	9-16	9-5	3-9	6-8	3-6	5-6	4-2	4-6	7-5	62-80	142
Cruz	2-4	1-4	1-3	3-2	3-1	2-1	1-1	2-2	2-0	1-2	1-1	19-21	40
Gonzalez	0-1	0-0	0-0	0-0	0-0	0-0	0-1	0-0	0-0	0-0	0-0	0-2	2
Howard	0-0	1-0	0-1	0-0	1-0	0-0	0-0	0-0	0-0	1-0	0-2	3-3	6
Howe	0-1	0-2	2-1	1-2	0-0	0-2	1-1	0-0	0-2	0-0	0-0	4-11	15
Niekro	0-1	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-1	1
Puhl	0-0	0-0	0-2	0-0	0-0	0-0	1-0	0-0	0-0	0-0	0-0	1-3	3
Pujols	0-0	0-0	0-0	0-0	0-1	0-0	0-0	0-0	0-0	0-0	0-0	0-1	1
Sexton	0-1	0-0	0-0	0-0	0-0	0-0	0-0	1-0	0-0	0-0	0-0	1-1	2
Richard	0-3	0-1	0-0	0-0	0-1	0-0	0-0	0-0	0-0	0-0	1-1	1-6	7
Walling	1-0	0-0	1-0	0-0	0-0	0-0	0-0	0-0	0-0	0-1	0-0	1-1	2
Watson	9-9	0-8	7-12	3-12	5-5	4-4	4-6	4-6	1-4	6-15	4-8	47-89	136

1978 ASTROS HITTING LEADERS

Games—Enos Cabell—162*
 At-Bats—Enos Cabell—660*
 Runs—Enos Cabell—92
 Hits—Enos Cabell—195*
 Doubles—Jose Cruz—34
 Triples—Jose Cruz—9
 Home Runs—Bob Watson—14
 Runs Batted In—Jose Cruz—83

Sacrifice Bunts—Julio Gonzalez—7
 Sacrifice Flies—Bob Watson—11*
 Bases on Balls—Jose Cruz—57
 Hit by Pitch—Enos Cabell—5
 Strikeouts—Enos Cabell—80
 Stolen Bases—Jose Cruz—37
 Caught Stealing—Enos Cabell—15
 Errors—Enos Cabell—18

* = Denotes club record

ALL - TIME HOUSTON ROSTER THROUGH 1978

Includes all players who have participated in one or more official National League games, 1962 through 1978

—A—

Adlesh, Dave (C) — 1963-64-65-66-67-68
Agee, Tommie (OF) — 1973
Alou, Jesus (OF) — 1969-70-71-72-73-78
Amalfitano, Joe (IF) — 1962
Anderson, John (P) — 1962
Andrews, Rob (IF) — 1975-76
Andujar, Joaquin (P) — 1976-77-78
Arlich, Don (P) — 1965-66
Aspromonte, Bob (IF) — 1962-63-64-65-66-67-68

—B—

Baldwin, Reggie (C) — 1978
Bales, Lee (IF) — 1967
Bannister, Floyd (P) — 1977-78
Barlow, Mike (P) — 1976
Bateman, John (C) — 1963-64-65-66-67-68
Batista, Raphael (1B) — 1973-75
Beauchamp, Jim (OF) — 1964-65-70
Bergman, Dave (1B-OF) — 1978
Belinsky, Bo (P) — 1967
Billingham, Jack (P) — 1969-70-71
Blasingame, Wade (P) — 1967-68-69-70-71
Blefary, Curt (1B) — 1969
Bochy, Bruce (C) — 1978
Bond, Walt (1B) — 1964-65
Boswell, Ken (1F) — 1975-76-77
Bouton, Jim (P) — 1969-70
Brady, Don (P) — 1964
Brand, Ron (C) — 1965-66-67-68
Brandt, Jackie (OF) — 1967
Brown, Hal (P) — 1963-64
Brown, Ollie (OF) — 1974
Browne, Byron (OF) — 1968
Browne, Pidge (1B) — 1962
Bruce, Bob (P) — 1962-63-64-65-66
Brunet, George (P) — 1962-63
Bryant, Don (C) — 1969-70
Buddin, Don (IF) — 1962
Busby, Jim (C) — 1962
Busse, Ray (IF) — 1971-73-74
Buzhardt, John (P) — 1967-68

—C—

Cabell, Enos (IF) — 1975-76-77-78
Cacek, Craig (IF) — 1977
Campbell, Dave (IF) — 1973-74
Campbell, Jim (P) — 1962-63
Cannon, Joe (OF) — 1977-78
Cardinal, Randy (P) — 1963
Carpin, Frank (P) — 1966
Cedeno, Cesar (OF) — 1970-71-72-73-74-75-76-77-78
Cerv, Bob (OF) — 1962
Chiles, Rich (OF) — 1971-72-76

Cicotte, Al (P) — 1962
Colbert, Nate (1B) — 1966-68
Cook, Ron (P) — 1970-71
Coombs, Danny (P) — 1963-64-65-66-67-68-69
Cosgrove, Mike (P) — 1972-73-74-75-76
Crawford, Jim (P) — 1973-75
Crawford, Willie (OF) — 1977
Cruz, Jose (OF) — 1975-76-77-78
Cuellar, Mike (P) — 1965-66-67-68
Culver, George (P) — 1970-71-72

—D—

DaVanon, Jerry (IF) — 1975-76
Dahl, Jay (P) — 1963
Davis, Brock (OF) — 1963-64-66
Davis, Ron (OF) — 1962-66-67-68
Davis, Tommy (OF) — 1969-70
de la Rosa, Jesus (OF) — 1975
de los Santos, Ramon (P) — 1974
Dickson, Jim (P) — 1963
Dierker, Larry (P) — 1964-65-66-67-68-69-70-71-72-73-74-75-76
DiLauro, Jack (P) — 1970
Dixon, Tom (P) — 1977-78
Drott, Dick (P) — 1962-63
Drumwright, Keith (IF) — 1978
Dukes, Tom (P) — 1967-68

—E—

Earley, Arnold (P) — 1967
Easler, Mike (OF) — 1973-75
Edwards, John (C) — 1969-70-71-72-73-74
Eilers, Dave (P) — 1967

—F—

Farrell, Dick (P) — 1962-63-64-65-66-67
Fazio, Ernie (IF) — 1962-63
Fenwick, Bob (IF) — 1972
Ferguson, Joe (C) — 1977-78
Fischlin, Mike (IF) — 1977-78
Forsch, Ken (P) — 1970-71-72-73-74-75-76-77-78
Fox, Nellie (IF) — 1964-65
Freese, Gene (IF) — 1966
Fuller, Jim (OF) — 1977

—G—

Gaines, Joe (OF) — 1964-65-66
Gallagher, Bob (OF) — 1973-74
Gardner, Arthur (OF) — 1975-77
Geiger, Gary (of) — 1969-70
Gentile, Jim (1B) — 1965-66
Gernert, Dick (1B) — 1962
Geronimo, Cesar (OF) — 1969-70-71
Gibbon, Joe (P) — 1972

ALL-TIME ROSTER (Continued)

Gilson, Hal (P) — 1968
Giusti, Dave (P) — 1962-64-65-66-67-68
Gladding, Fred (P) — 1968-69-70-71-72-73
Golden, Jim (P) — 1962-63
Gonzalez, Julio (IF) — 1977-78
Goodman, Billy (IF) — 1962
Goss, Howie (OF) — 1963
Gotay, Julio (IF) — 1966-67-68-69
Granger, Wayne (P) — 1975
Greif, Bill (P) — 1971
Griffin, Tom (P) — 1969-70-71-72-73-74-75-76
Gross, Greg (OF) — 1973-74-75-76
Grote, Jerry (C) — 1963-64
Guinn, Skip (P) — 1969-71

—H—

Hardy, Carroll (OF) — 1963-64
Hardy, Larry (P) — 1976
Harris, Alonzo (OF) — 1967
Harris, Buddy (P) — 1970-71
Harrison, Chuck (1B) — 1965-66-67
Hartman, J.C. (IF) — 1962-63
Heath, Bill (C) — 1966-67
Heist, Al (OF) — 1962
Helms, Tommy (IF) — 1972-73-74-75
Henry, Bill (P) — 1969
Herrera, Jose (1B) — 1967-68
Herrmann, Ed (C) — 1976-77-78
Hertz, Steve (IF) — 1964
Hiatt, Jack (C) — 1971
Hoerner, Joe (P) — 1963-64
Hoffman, John (C) — 1964-65
House, Pat (P) — 1967-68
Howard, Larry (C) — 1970-71-72
Howard, Wilbur (OF) — 1974-75-76-77-78
Howe, Art (IF) — 1976-77-78

—J—

Jackson, Sonny (IF) — 1963-64-65-66-67
Javier, Ignacio (OF) — 1976
Johnson, Clifford (OF) — 1972-73-74-75-76-77
Johnson, Jerry (P) — 1974
Johnson, Ken (P) — 1962-63-64-65
Jones, Gordon (P) — 1964-65
Jutze, Skip (C) — 1973-74-75-76

—K—

Kasko, Eddie (IF) — 1964-65
Kelleher, Mick (IF) — 1974
Kemmerer, Russ (P) — 1962-63
King, Hal (C) — 1967-68
Konieczny, Doug (P) — 1973-74-75-77
Kroll, Gary (P) — 1966

—L—

Lamabe, Jack (P) — 1965
Lampard, Keith (1B) — 1969-70
Landestoy, Rafael (IF) — 1978
Landis, Jim (OF) — 1967
Larker, Norm (1B) — 1962
Larsen, Don (P) — 1964-65
Larson, Dan (P) — 1976-77
Latman, Barry (P) — 1966-67
Lee, Don (P) — 1965-66
Lemaster, Denny (P) — 1968-69-70-71
Lemongello, Mark (P) — 1976-77-78
Leonard, Jeff (OF) — 1978
Lillis, Bob (IF) — 1962-63-64-65-66-67

—M—

MacKenzie, Ken (P) — 1965
Mahoney, Jim (IF) — 1965
Mantilla, Felix (IF) — 1966
Marshall, Mike (P) — 1970
Martinez, Orlando (IF) — 1969-70-71
Mathews, Eddie (IF) — 1967
May, Lee (1B) — 1972-73-74
May, Milt (C) — 1974-75
Mayberry, John (1B) — 1968-69-70-71
Maye, Lee (OF) — 1965-66
McFadden, Leon (IF) — 1968-69-70
McLaughlin, Mike "Bo" (P) — 1976-77-78
McMahon, Don (P) — 1962-63
Mejias, Roman (OF) — 1962
Menke, Denis (IF) — 1968-69-70-71-74
Metzger, Roger (IF) — 1971-72-73-74-75-76-77-78
Milbourne, Larry (IF) — 1974-75-76
Miller, Norm (OF) — 1965-66-67-68-69-70-71-72
Monteagudo, Aurielo (P) — 1966
Morgan, Joe (IF) — 1963-64-65-66-67-68-69-70-71
Murrell, Ivan (OF) — 1963-64-67-68

—N—

Nagy, Mike (P) — 1974
Nicholson, Dave (OF) — 1966
Niekro, Joe (P) — 1975-76-77-78
Nottebart, Don (P) — 1963-64-65

—O—

Obadovich, Jim (1B) — 1978
Osinski, Dan (P) — 1970
Osteen, Claude (P) — 1974
Owens, Jim (P) — 1964-65-66-67

ALL-TIME ROSTER (Continued)

—P—

Paciorek, John (OF) — 1963
 Pendleton, Jim (OF) — 1962
 Pentz, Eugene (P) — 1976-77-78
 Pepitone, Joe (1B) — 1970
 Pizarro, Juan (P) — 1973
 Pointer, Aaron (OF) — 1963-66-67
 Puhl, Terry (OF) — 1977-78
 Pujols, Luis (C) — 1977-78

—R—

Rader, Doug (IF) — 1967-68-69-70-71-72-73-74-75
 Ranew, Merritt (IF) — 1962
 Ratliff, Gene (1B) — 1965
 Ray, Jim (P) — 1965-66-68-69-70-71-72-73
 Raymond, Claude (P) — 1964-65-66-67
 Reed, Howie (P) — 1967
 Reuss, Jerry (P) — 1972-73
 Riccelli, Frank (P) — 1978
 Richard, J.R. (P) — 1971-72-73-74-75-76-77-78
 Roberts, Dave A. (P) — 1972-73-74-75
 Roberts, Dave L. (OF) — 1962-64
 Roberts, Leon (OF) — 1976-77
 Roberts, Robin (P) — 1965-66
 Rondon, Gilbert (P) — 1976
 Ruhle, Vern (P) — 1978
 Runnels, Pete (IF) — 1963-64

—S—

Sambito, Joe (P) — 1976-77-78
 Scherman, Fred (P) — 1974-75
 Schneider, Dan (P) — 1967-69
 Schlueter, Jay (OF) — 1971
 Sembera, Carroll (P) — 1965-66-67
 Sexton, Jimmy (IF) — 1978
 Shantz, Bobby (P) — 1962
 Shea, Steve (P) — 1968
 Sherry, Larry (P) — 1967
 Siebert, Paul (P) — 1974-75-76
 Simpson, Dick (OF) — 1968
 Sims, Greg (OF) — 1966
 Smith, Hal (C) — 1962-63
 Sosa, Jose (P) — 1975-76
 Spangler, Al (OF) — 1962-63-64-65
 Sperring, Rob (IF) — 1977
 Spinks, Scipio (P) — 1969-70-71
 Stanton, Mike (P) — 1975
 Staub, Rusty (OF) — 1963-64-65-66-67-68
 Stewart, Jimmy (IF) — 1972-73
 Stinson, Bob (C) — 1972
 Stone, Dean (P) — 1962
 Sutherland, Gary (IF) — 1972-73

—T—

Taveras, Alex (IF) — 1976
 Taussig, Don (OF) — 1962
 Taylor, Ron (P) — 1965-66
 Temple, Johnny (IF) — 1962-63
 Thomas, Derrel (IF) — 1971
 Thomas, Frank (OF) — 1965
 Thomas, Lee (OF) — 1968
 Thomas, Roy (P) — 1977
 Thorton, Otis (C) — 1973
 Tiefenauer, Bob (P) — 1962
 Torres, Hector (IF) — 1968-69-70-73
 Triandos, Gus (C) — 1965

—U—

Umbricht, Jim (P) — 1962-63
 Upshaw, Cecil (P) — 1973

—V—

Valdespino, Sandy (OF) — 1969
 Vaughan, Glenn (IF) — 1963
 Von Hoff, Bruce (P) — 1965-67

—W—

Walling, Dennis (OF) — 1977-78
 Walton, Danny (1B) — 1968-77
 Warthen, Dan (P) — 1978
 Warwick, Carl (OF) — 1962-63
 Watkins, Bob (P) — 1969
 Watson, Bob (1B) — 1966-67-68-69-70-71-72-73-74-75-76-77-78
 Weekly, Johnny (OF) — 1962-63-64
 White, Mike (OF) — 1963-64-65
 Williams, George (IF) — 1962
 Williams, Rick (P) — 1978
 Williams, Walt (OF) — 1964
 Willis, Ron (P) — 1969
 Wilson, Don (P) — 1966-67-68-69-70-71-72-73-74
 Witt, George (P) — 1962
 Womack, Dooley (P) — 1969
 Woodeshick, Hal (P) — 1962-63-64-65
 Wynn, Jim (OF) — 1963-64-65-66-67-68-69-70-71-72-73

—Y—

Yellen, Larry (P) — 1963-64
 York, Jim (P) — 1972-73-74-75
 Yount, Larry (P) — 1971

—Z—

Zachry, Chris (P) — 1963-64-65-66-67
 Zamora, Oscar (P) — 1978

HOUSTON ALL-TIME TEAM RECORDS

(1962-1978)

BATTING

Most at-bats in a season	5574	1970
Fewest at-bats in a season	5268	1972
Most homers in a season	134	1972 & 1973
Fewest homers in a season	62	1963
Most runs scored in a season	744	1970
Fewest runs scored in a season	464	1963
Most runs batted in for a season	694	1970
Fewest runs batted in for a season	420	1963
Most hits in a season	1491	1970
Fewest hits in a season	1184	1963
Most doubles in a season	263	1977
Fewest doubles in a season	162	1964
Most triples in a season	60	1977
Fewest triples in a season	28	1968
Most stolen bases in a season	187	1977
Fewest stolen bases in a season	39	1963
Most walks in a season	699	1969
Fewest walks in a season	381	1964
Most strikeouts in a season	988	1968
Fewest strikeouts in a season	719	1976

PITCHING

Most complete games in a season	52	1969
Fewest complete games in a season	26	1965
Most saves in a season	35	1970
Fewest saves in a season	17	1967 & 1968
Most walks allowed in a season	679	1975
Fewest walks allowed in a season	353	1964
Most strikeouts in a season	1221	1969
Fewest strikeouts in a season	738	1974
Most shutouts in a season	18	1974
Fewest shutouts in a season	6	1970 & 1975
Most hits allowed in a season	1491	1970
Fewest hits allowed in a season	1318	1971
Most homers allowed in a season	131	1970
Fewest homers allowed in a season	68	1968
Most runs allowed in a season	763	1970
Fewest runs allowed in a season	567	1971
Lowest earned run average in season	3.13	1971
Highest earned run averaged in season	4.23	1970

HOUSTON INDIVIDUAL SEASON RECORDS

BATTING

Most Games	162	Enos Cabell	1978
Most At Bats	660	Enos Cabell	1978
Most Runs Scored	117	Jimmy Wynn	1972
Most Hits	195	Enos Cabell	1978
Most Singles	160	Sonny Jackson	1966
Most Doubles	44	Rusty Staub	1967
Most Triples	14	Roger Metzger	1973
Most Home Runs	37	Jimmy Wynn	1967
Most Total Bases	300	Cesar Cedeno	1972
Most Extra Base Hits	69	Jimmy Wynn	1967
		Cesar Cedeno	1972
Most Sacrifice Bunts	27	Sonny Jackson	1966
Most Sacrifice Flies	11	Bob Watson	1978
Most Stolen Bases	61	Cesar Cedeno	1977
Most Base on Balls	148	Jose Cruz	1977
Most Strike Outs	145	Jimmy Wynn	1969
Most Strike Outs	145	Lee May	1972
Fewest Strike Outs (150-or-more games)	39	Greg Gross	1974
Most Hit By Pitch	11	Cesar Cedeno	1977
Most Runs Batted In	110	Bob Watson	1977
Highest Batting Average	333	Rusty Staub	1967
Highest Slugging Average	537	Cesar Cedeno	1972
Longest Hit Streak-Games	22	Cesar Cedeno	1977
Most Grounded Into Double Play	23	Doug Rader	1970
Fewest Grounded Into Double Play (502) or more plate appearances)	4	Joe Morgan	1965 1971

PITCHING

Most Games	70	Ken Forsch	1974
Most Games Started	40	Jerry Reuss	1973
Most Complete Games	20	Larry Dierker	1969
Most Games Finished	48	Hal Woodeshick	1964
Most Games Won	20	Larry Dierker	1969
		J.R. Richard	1976
Highest Percentage	667	Larry Dierker (12-6)	1971
Most Consecutive Games Lost	11	Dick Drott	1963
Most Strikeouts	303	J.R. Richard	1978
Most Bases on Balls	151	J.R. Richard	1976
Most Shutouts In A Season	6	Dave Roberts	1973
Most Hits Allowed	271	Jerry Reuss	1973
Most Hit Batsmen	16	Jack Billingham	1971
Most Wild Pitches	20	Larry Dierker	1968
		J.R. Richard	1975
Most Home Runs Allowed	31	Larry Dierker	1970
Lowest Earned Run Average	2.22	Mike Cuellar	1966
Most Saves	29	Fred Gladding	1969

HOUSTON ALL-TIME 100 RBI CLUB

1967—Jimmy Wynn 107.
1973—Lee May 105.
1974—Cesar Cedeno 102.

1976—Bob Watson 102.
1977—Bob Watson 110.

HOUSTON VS. NATIONAL LEAGUE ALL-TIME

	TOTALS			HOME			ROAD		
	W	L	PCT	W	L	PCT	W	L	PCT
Atlanta	129	173	.427	68	85	.444	61	88	.409
Chicago	131	115	.533	82	41	.666	49	74	.398
Cincinnati	123	182	.403	69	84	.451	54	98	.355
Los Angeles	123	183	.402	66	87	.431	57	96	.373
Montreal	75	45	.625	38	22	.633	37	23	.617
New York	139	105	.570	81	41	.664	58	64	.472
Philadelphia	105	141	.427	69	54	.561	36	87	.293
Pittsburgh	85	160	.347	60	63	.488	25	97	.205
St. Louis	109	137	.443	58	65	.472	51	72	.415
San Diego	102	74	.580	55	32	.632	47	42	.528
San Francisco	138	168	.451	82	71	.530	56	97	.366
Totals	1259	1483	.459	728	645	.530	531	838	.388

HOUSTON DOUBLEHEADERS ALL-TIME

	HOME W-L-S	ROAD W-L-S	TOTALS W-L-S
Atlanta	3-1-2	7-6-4	10-7-6
Chicago	2-0-2	2-5-8	4-5-10
Cincinnati	1-0-0	3-7-11	4-7-11
Los Angeles	0-3-0	2-4-1	2-7-1
Montreal	0-0-0	2-1-3	2-1-3
New York	4-0-1	7-7-9	11-7-10
Philadelphia	0-3-1	0-5-4	0-8-5
Pittsburgh	0-2-0	1-7-7	1-9-7
St. Louis	0-0-3	0-1-7	0-1-10
San Diego	2-1-4	3-3-4	5-4-8
San Francisco	0-1-3	2-6-9	2-7-12
TOTALS	12-11-16	29-52-67	41-63-83

HOUSTON YEAR-BY-YEAR OFFENSIVE TEAM TOTALS

YEAR	R	H	2B	3B	HR	RBI	SB
1962	592	1370	170	47	105	549	42
1963	464	1184	170	39	62	420	39
1964	495	1214	162	41	70	452	40
1965	569	1299	188	42	97	523	90
1966	612	1405	203	35	112	570	90
1967	626	1372	259	46	93	581	88
1968	510	1233	205	28	66	473	44
1969	676	1284	208	40	104	618	101
1970	744*	1446*	250	47	129	694*	114
1971	585	1319	230	52	71	547	101
1972	708	1359	233	38	134*	660	111
1973	681	1391	216	35	134*	634	92
1974	653	1441	222	41	110	603	108
1975	664	1401	218	54	84	606	133
1976	625	1401	195	50	66	571	150
1977	680	1405	263*	60*	114	638	187*
1978	605	1408	231	45	70	557	178

*represents high in each category

ASTROS YEAR-BY-YEAR VS. N.L.**

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
*ATLANTA	7-11	5-13	12-6	4-14	4-14	7-11	7-11	3-15	9-9	9-9	7-7	7-11	12-6	6-12	11-7	9-9	10-8
CHICAGO	11-7	9-9	7-11	10-8	13-5	10-8	8-10	4-8	5-7	7-5	9-3	6-6	8-4	5-7	7-5	6-6	6-6
CINCINNATI	5-13	7-11	6-12	6-12	14-4	3-15	9-9	9-9	3-15	13-5	6-11	7-11	4-14	5-13	6-12	13-5	7-11
LOS ANGELES	6-12	5-13	7-11	5-13	7-11	10-8	11-7	6-12	8-10	8-10	7-11	11-7	5-13	6-12	5-13	9-9	7-11
MONTREAL	—	—	—	—	—	—	—	11-1	8-4	4-8	8-4	6-6	6-6	8-4	10-2	8-4	6-6
NEW YORK	13-3	13-5	9-9	14-4	7-11	11-7	10-8	10-2	6-6	5-7	6-6	6-6	6-6	4-8	6-6	6-6	7-5
PHILADELPHIA	1-17	8-10	5-13	6-12	7-11	7-11	9-9	8-4	4-8	8-4	9-3	7-5	6-6	6-6	4-8	4-8	6-6
PITTSBURGH	5-13	6-12	5-13	8-10	4-14	9-9	5-13	3-9	6-6	4-8	3-9	6-6	5-7	6-5	2-10	4-8	4-8
ST. LOUIS	9-9	5-13	8-10	9-9	10-8	6-12	5-13	7-5	6-6	2-10	4-8	5-7	8-4	4-8	9-3	5-7	7-5
SAN DIEGO	—	—	—	—	—	—	—	10-8	14-4	10-8	12-2	10-8	11-7	9-9	10-8	8-10	8-10
SAN FRANCISCO	7-11	8-10	7-11	3-15	6-12	6-12	8-10	10-8	10-8	9-9	13-5	11-7	10-8	5-13	10-8	9-9	6-12
TOTALS	64-96	66-96	66-96	65-97	72-90	69-93	72-90	81-81	79-83	79-83	84-69	82-80	81-81	64-97	80-82	81-81	74-88

ASTROS AT HOME VS. N.L.**

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
*ATLANTA	4-5	2-7	6-3	2-7	2-7	6-3	3-6	2-7	5-4	4-5	5-4	2-7	6-3	4-5	5-4	5-4	5-4
CHICAGO	6-3	7-2	5-4	5-4	8-1	7-2	6-3	2-4	4-2	4-2	5-1	2-4	6-0	2-4	5-1	3-3	5-1
CINCINNATI	2-7	5-4	4-5	3-6	9-0	1-8	4-5	5-4	2-7	7-2	2-7	4-5	2-7	3-6	3-6	7-2	6-3
LOS ANGELES	2-7	4-5	3-6	3-6	3-6	5-4	6-3	4-5	3-6	4-5	3-6	6-3	3-6	5-4	3-6	5-4	4-5
MONTREAL	—	—	—	—	—	—	—	6-0	4-2	1-5	4-2	4-2	1-5	5-1	5-1	4-2	4-2
NEW YORK	7-1	7-2	7-2	7-2	4-5	8-1	5-4	6-0	4-2	3-3	3-3	2-4	4-2	3-3	3-3	4-2	4-2

PHILADELPHIA	1-8	6-3	3-6	2-7	5-4	5-4	6-3	5-1	3-3	4-2	6-0	3-3	4-2	4-2	3-3	4-2	5-1
PITTSBURGH	3-6	4-5	4-5	6-3	3-6	6-3	5-4	2-4	4-2	2-4	2-4	3-3	4-2	5-1	0-6	3-3	4-2
ST. LOUIS	5-4	4-5	4-5	6-3	6-3	3-6	2-7	4-2	1-5	1-5	2-4	3-3	5-1	1-5	5-1	3-3	3-3
SAN DIEGO	—	—	—	—	—	—	—	8-1	7-2	4-5	4-1	6-3	6-3	4-5	7-3	4-5	5-4
SAN FRANCISCO	2-7	5-4	5-4	2-7	5-4	5-4	5-4	8-1	7-2	5-4	5-4	6-3	5-4	1-8	7-2	4-5	5-4
TOTALS	32-48	44-37	41-40	36-45	45-36	46-35	42-39	52-29	44-37	39-42	41-36	41-40	46-35	37-44	46-36	46-35	50-31

ASTROS ON ROAD VS. N.L.**

*ATLANTA	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
CHICAGO	3-6	3-6	6-3	2-7	2-7	1-8	4-5	1-8	4-5	5-4	2-3	5-4	6-3	2-7	6-3	4-5	5-4
CINCINNATI	5-4	2-7	2-7	5-4	5-4	3-6	2-7	2-4	1-5	3-3	4-2	4-2	2-4	3-3	2-4	3-3	1-8
LOS ANGELES	3-6	2-7	2-7	3-6	5-4	2-7	5-4	4-5	1-8	6-3	4-4	3-6	2-7	2-7	3-6	6-3	1-5
MONTREAL	4-5	1-8	4-5	2-7	4-5	5-4	5-4	2-7	5-4	4-5	4-5	5-4	2-7	1-8	2-7	4-5	3-6
NEW YORK	—	—	—	—	—	—	—	5-1	4-2	3-3	4-2	2-4	5-1	3-3	5-1	4-2	2-4
PHILADELPHIA	6-2	6-3	2-7	7-2	3-6	3-6	5-4	4-2	2-4	2-4	3-3	4-2	2-4	1-5	3-3	2-4	3-3
PITTSBURGH	0-9	2-7	2-7	4-5	2-7	2-7	3-6	3-3	1-5	4-2	3-3	4-2	2-4	2-4	1-5	0-6	1-5
ST. LOUIS	2-7	2-7	1-8	2-7	1-8	3-6	0-9	1-5	2-4	2-4	1-5	3-3	1-5	1-4	2-4	1-5	0-6
SAN DIEGO	4-5	1-8	4-5	3-6	4-5	3-6	3-6	3-3	5-1	1-5	2-4	2-4	3-3	3-3	4-2	2-4	4-2
SAN FRANCISCO	—	—	—	—	—	—	—	2-7	7-2	6-3	8-1	4-5	5-4	5-4	3-5	4-5	3-6
TOTALS	5-4	3-6	2-7	1-8	1-8	1-8	3-6	2-7	3-6	4-5	8-1	5-4	5-4	4-5	3-6	5-4	1-8
	32-48	22-59	25-56	29-52	27-54	23-58	30-51	29-52	35-46	40-41	43-33	41-40	35-46	27-53	34-46	35-46	24-57

*MILWAUKEE—1962-63-64-65

**For Complete Totals See Page 79

HOUSTON WON/LOSS—BEST RECORDS

G W-L YR.

9—7-2 (72)
10—8-2 (72)
11—9-2 (72)
12—9-3 (72)
13—9-4 (72)
14—10-4 (72)
15—11-4 (72)
16—11-5 (72)
17—12-5 (72)
18—12-6 (65-72)
19—12-7 (65-72)
20—13-7 (72)
21—13-8 (72)
22—13-9 (65-66-72)
23—14-9 (65)
24—15-9 (65)
25—15-10 (65-66-72-73-74)
26—16-10 (72-73-74)
27—17-10 (72-73-74)
28—18-10 (72-73)
29—19-10 (73)
30—20-10 (73)
31—20-11 (73)
32—21-11 (73)
33—22-11 (73)
34—22-12 (72-73)
35—23-12 (72)
36—24-12 (72)
37—24-13 (72)
38—24-14 (72)
39—24-15 (72-73)
40—25-15 (73)
41—26-15 (73) (72)
42—26-16 (73)
43—26-17 (73)
44—26-18 (73)
45—27-18 (73)
46—27-19 (72-73)
47—28-19 (73)
48—28-20 (73)
49—28-21 (72-73)
50—29-21 (73)
51—29-22 (72-73)
52—30-22 (72)
53—30-23 (72)
54—31-23 (72)
55—32-23 (72)
56—33-23 (72)
57—34-23 (72)
58—35-23 (72)
59—36-23 (72)

G W-L YR.

60—36-24 (72)
61—37-24 (72)
62—37-25 (66-72)
63—38-25 (72)
64—38-26 (72)
65—39-26 (72)
66—40-26 (72)
67—40-27 (72)
68—41-27 (72)
69—41-28 (72)
70—42-28 (72)
71—43-28 (72)
72—43-29 (72)
73—44-29 (72)
74—44-30 (72)
75—44-31 (72)
76—44-32 (72)
77—44-33 (72)
78—45-33 (72)
79—46-33 (72)
80—46-34 (72)
81—47-34 (72)
82—48-34 (72)
83—48-35 (72)
84—48-36 (72)
85—48-37 (72)
86—48-38 (72)
87—48-39 (72)
88—49-39 (72)
89—49-40 (72)
90—49-41 (72-74)
91—50-41 (72)
92—51-41 (72)
93—51-42 (72)
94—51-43 (72)
95—52-43 (72)
96—52-44 (72)
97—53-44 (72)
98—54-44 (72)
99—54-45 (72)
100—55-45 (72)
101—56-45 (72)
102—57-45 (72)
103—58-45 (72)
104—58-46 (72)
105—58-47 (72)
106—58-48 (72)
107—59-48 (72)
108—60-48 (72)
109—61-48 (72)
110—61-49 (72)

G W-L YR.

111—62-49 (72)
112—62-50 (72)
113—63-50 (72)
114—64-50 (72)
115—65-50 (72)
116—65-51 (72)
117—66-51 (72)
118—66-52 (72)
119—66-53 (72)
120—67-53 (72)
121—67-54 (72)
122—68-54 (72)
123—69-54 (72)
124—70-54 (72)
125—71-54 (72)
126—72-54 (72)
127—73-54 (72)
128—73-55 (72)
129—73-56 (72)
130—73-57 (72)
131—73-58 (72)
132—74-58 (72)
133—75-58 (72)
134—75-59 (72)
135—75-60 (72)
136—76-60 (72)
137—77-60 (72)
138—78-60 (72)
139—78-61 (72)
140—78-62 (72)
141—79-62 (72)
142—80-62 (72)
143—80-63 (72)
144—80-64 (72)
145—81-64 (72)
146—81-65 (72)
147—81-66 (72)
148—82-66 (72)
149—83-66 (72)
150—84-66 (72)
151—84-67 (72)
152—84-68 (72)
153—84-69 (72)
154—78-76 (69)
155—79-76 (69)
156—79-77 (69)
157—79-78 (69)
158—80-78 (69)
159—80-79 (69-73-77)
160—81-79 (69-73)
161—81-80 (69-73)
162—82-80 (73)

1978 & ALL-TIME MONTH-BY-MONTH

Month	1978			All-Time-High			All-Time Low			All-Time Total	
	W-L	Pct.		W-L	Pct.	Year	W-L	Pct.	Year	W-L	Pct.
April	10-12	.455		10-4	.714	1972	2-20	.167	1969	150-187	.445
May	10-13	.435		20-6	.769	1969	10-17	.370	1976	226-245	.480
June	13-14	.481		17-11	.607	1972	8-21	.276	1975	211-265	.443
July	15-17	.469		20-11	.645	1976	5-24	.172	1962	224-266	.457
August	14-14	.500		18-10	.643	1972	9-21	.300	1967	231-263	.468
September	11-18	.379		16-11	.593	1963-77	7-20	.259	1965	208-243	.461
October	1-0	1.000		2-0	1.000	1966-76	0-3	.000	1972	9-14	.391
Totals	74-88	.457		103-53	.660		41-126	.246		1259-1483	.459

HOUSTON OPENING DAY GAMES

	TOTAL 9-8	AT HOUSTON 6-3	ROAD 3-5		
YEAR	WHERE PLAYED	SCORE	WINNING PITCHER	LOSING PITCHER	ATTEN.
1962	Houston	Houston 11 Chicago 2	SHANTZ	Cardwell	25,271
1963	Houston	San Francisco 9 Houston 2	Sanford	FARRELL	19,591
1964	Cincinnati	Houston 6 Cincinnati 3	JOHNSON	Maloney	27,878
1965	Houston	Philadelphia 2 Houston 0	Short	BRUCE	42,652
1966	Los Angeles	Los Angeles 3 Houston 2	Osteen	ROBERTS, R	34,520
1967	Houston	Houston 6 Atlanta 1	CUELLAR	Kelley	26,001
1968	Houston	Houston 5 Pittsburgh 4	DIERKER	Pizarro	21,320
1969	San Diego	San Diego 2 Houston 1	Selma	WILSON	23,370
1970	San Francisco	Houston 8 San Francisco 5	DIERKER	Perry	30,933
1971	Houston	Houston 5 Los Angeles 2	DIERKER	Singer	22,421
1972	Houston	San Francisco 5 Houston 0	Marichal	WILSON	23,021
1973	Atlanta	Houston 2 Atlanta 1 (13 innings)	GLADDING	Upshaw	23,385
1974	San Francisco	San Francisco 5 Houston 1	Bradley	ROBERTS, D	17,527
1975	Houston	Houston 6 Atlanta 2	DIERKER	Niekro	14,959
1976	Cincinnati	Cincinnati 11 Houston 5	Nolan	RICHARD	52,949
1977	Houston	Houston 3 Atlanta 2 (11 innings)	FORSCH	Johnson	25,781
1978	Cincinnati	Cincinnati 11 Houston 9	Borbon	RICHARD	52,378

HOUSTON GOLD GLOVE WINNERS

1970. . . . Doug Rader, third base.
 1971. . . . Doug Rader, third base.
 1972. . . . Doug Rader, third base.
 Cesar Cedeno, outfield.
 1973. . . . Doug Rader, third base.
 Cesar Cedeno, outfield.
 Roger Metzger, shortstop.

1974. . . . Doug Rader, third base.
 Cesar Cedeno, outfield.
 1975. . . . Cesar Cedeno, outfield.
 1976. . . . Cesar Cedeno, outfield.

NL 1978 Gold Glove winners: Bob Boone, c, Phi; Keith Hernandez, lb, StL; Davey Lopes, 2b, LA; Larry Bowa, ss, Phi; Mike Schmidt, 3b, Phi; Garry Maddox, of, Phi; Dave Parker, of, Pit; Ellis Valentine, of, Mtl; Phil Niekro, p, Atl.

HOUSTON OPENING DAY LINEUPS THROUGH THE YEARS

1962		1963		1964		1965	
Aspromonte	5	Fazio	4	Kasko	6	Lillis	6
Spangler	8	Spangler	7	Fox	4	Morgan	4
Mejias	9	Runnels	3	Runnels	3	Wynn	8
Larker	3	Staub	9	Bond	7	Bond	3
Pendleton	7	Aspromonte	5	Staub	9	Aspromonte	5
Smith	2	Goss	8	Wynn	8	Beauchamp	7
Amalfitano	4	Campbell	2	Aspromonte	5	Gaines	9
Buddin	6	Lillis	6	Bateman	2	Bateman	2
Shantz	1	Farrell	1	Johnson	1	Bruce	1

1966		1967		1968		1969	
Maye	7	Jackson	6	Davis	8	Alou	9
Jackson	6	Morgan	4	Morgan	4	Morgan	4
Wynn	8	Pointer	7	King	2	Miller	8
Nicholson	9	Wynn	8	Staub	3	Rader	5
Morgan	4	Aspromonte	5	Wynn	7	Blefary	3
Aspromonte	5	Staub	9	Miller	9	Watson	7
Harrison	3	Mathews	3	Aspromonte	5	Menke	6
Bateman	2	Bateman	2	Torres	6	Edwards	2
Roberts, R.	1	Cuellar	1	Dierker	1	Wilson	1

1970		1971		1972		1973	
Morgan	4	Cedeno	9	Metzger	6	Wynn	9
Pepitone	9	Morgan	4	Cedeno	8	Helms	4
Wynn	8	Wynn	8	Wynn	9	Cedeno	8
Mayberry	3	Watson	7	May	3	Watson	7
Menke	6	Menke	3	Watson	7	May	3
Davis	7	Rader	5	Rader	5	Rader	5
Rader	5	Edwards	2	Helms	4	Edwards	2
Edwards	4	Metzger	6	Edwards	2	Metzger	6
Dierker	1	Dierker	1	Wilson	1	Roberts, D.	1

1974		1975		1976		1977	
Gross	9	Cabell	7	Howard	7	Gonzalez	4
Metzger	6	Andrews	4	Cabell	5	Cabell	5
Cedeno	8	Cedeno	8	Cedeno	8	Cruz	9
Watson	7	M. May	2	Watson	3	Watson	3
M. May	2	Johnson	3	Johnson	2	Crawford	7
L. May	3	Cruz	9	Gross	9	Ferguson	2
Rader	5	Rader	5	Milbourne	4	Gardner	8
Helms	1	Metzger	6	Metzger	6	Metzger	6
Roberts, D.	1	Dierker	1	Richard	1	Richard	1

1978	
Puhl	7
Cabell	5
Cedeno	8
Cruz	9
Watson	3
Ferguson	2
Howe	4
Metzger	6
Richard	1

The first baseball game played in the Astrodome was Friday, April 9, 1965, an exhibition between the Astros and New York Yankees. Houston won the game, 2 to 1, in 12 innings with Hal Woodeshick getting credit for the pitching win and Pete Mikkelsen the loss. A paid crowd of 47, 876 watched the game and saw Mickey Mantle hit the first Astrodome home run in the sixth inning with the bases empty.

YEAR-BY-YEAR HOUSTON ATTENDANCE DATA

YEAR	HOME	ROAD	TOTAL
1962	924,456	925,345	1,849,801
1963	719,502	765,720	1,485,222
1964	725,773	853,254	1,579,027
1965	2,151,470	952,749	3,104,219
1966	1,872,108	1,109,584	2,981,692
1967	1,348,303	1,088,450	2,436,753
1968	1,312,887	877,059	2,189,946
1969	1,442,995	913,628	2,356,623
1970	1,253,444	1,155,731	2,409,175
1971	1,261,589	1,186,238	2,447,827
1972	1,469,247	1,261,515	2,730,762
1973	1,394,004	1,248,008	2,642,012
1974	1,090,728	1,151,168	2,241,896
1975	858,004	1,161,773	2,019,777
1976	886,146	1,204,647	2,091,181
1977	1,109,560	1,505,198	2,614,758
1978	1,126,145	1,422,563	2,548,708
TOTALS	20,946,361	18,782,630	39,729,379

CLUB ATTENDANCE RECORDS AT HOUSTON

	Largest	Smallest	Largest Season
Atlanta	38,734—1965	3,637—1976	209,818—1966
Chicago	42,916—1977	3,427—1975	226,762—1965
Cincinnati	44,988—1976	3,617—1973	221,317—1965
Los Angeles	50,908—1966	5,323—1964	347,332—1965
Montreal	46,215—1978	6,195—1977	109,072—1969
New York	41,732—1965	1,638—1962	256,403—1965
Philadelphia	42,652—1965	2,231—1963	228,879—1965
Pittsburgh	43,825—1966	2,782—1963	226,761—1966
St. Louis	44,887—1967	2,551—1963	207,139—1965
San Diego	36,224—1977	3,044—1974	122,665—1973
San Francisco	43,367—1965	3,741—1974	238,942—1965

CLUB ATTENDANCE RECORDS ON THE ROAD

	Largest	Smallest	Largest Season
Atlanta	46,469—1977	737—1975	143,064—1967
Chicago	40,439—1969	1,572—1964	135,797—1970
Cincinnati	53,390—1976	2,002—1966	304,087—1977
Los Angeles	53,568—1976	8,928—1968	345,460—1978
Montreal	24,235—1969	5,035—1973	104,552—1970
New York	54,424—1970	1,481—1962	219,262—1972
Philadelphia	47,048—1977	2,113—1969	206,106—1977
Pittsburgh	49,341—1972	1,951—1967	121,229—1966
St. Louis	47,656—1966	4,348—1965	194,784—1967
San Diego	42,222—1977	1,413—1973	154,568—1977
San Francisco	42,555—1967	1,016—1975	172,961—1962

ASTROS TOP FIVE 1978 CROWDS

Sat., April 29 vs. Montreal	46,215
Sat., July 8 vs. Los Angeles	37,073
Sat., April 15 vs. Cincinnati	34,858
Sunday, July 9 vs. Los Angeles	30,285
Sat., June 17 vs. Chicago	28,091

ASTROS ATTENDANCE RECORDS AT HOUSTON

Season—Home	2,151,470
Season—Road	1,505,198
Season—Home and Road	3,104,219
Opening Day—Home	42,652
Single Game—Home	50,908
Doubleheader—Home	42,648

Day-Night Doubleheader—Home

Day	30,738
Night	42,595
Total	73,333
Night Game—Home	50,908
Day Game—Home	49,442
Largest—Home	50,908
Largest—Road	54,424
Smallest—Home	1,638
Smallest—Astrodome	3,044
Smallest—Road	737
Largest Single Home Stand	446,087

1965	
1977	
1965	
April 12, 1965	Philadelphia
June 22, 1966	Los Angeles
June 20, 1966	Philadelphia

July 24, 1965	Cincinnati
June 22, 1966	Los Angeles
September 5, 1965	Los Angeles
June 22, 1966	Los Angeles
May 30, 1970	New York
September 8, 1962	New York
September 7, 1974	San Diego
September 8, 1975	Atlanta
May 17-June 1, 1965	16 dates

FIVE LARGEST HOME CROWDS

50,908	June 22, 1966	Los Angeles—Night
50,136	July 3, 1965	Los Angeles—Night
49,442	September 5, 1965	Los Angeles—Day
49,003	August 6, 1966	Los Angeles—Night
47,642	July 4, 1965	Los Angeles—Day

SERIES RECORDS

Total One Series	142,116	August 5-7, 1966	Los Angeles
One Day Series	42,652	April 12, 1965	Philadelphia
One Game Series	42,652	April 12, 1965	Philadelphia
Two Day Series	73,992	July 21-22, 1965	St. Louis
Two Game Series	73,992	July 21-22, 1965	St. Louis
Three Day Series	142,116	August 5-7, 1966	Los Angeles
Three Game Series	142,116	August 5-7, 1966	Los Angeles
Four Day Series	123,710	August 18-21, 1967	St. Louis
Four Game Series	141,443	July 23-25, 1965	Cincinnati
Five Game Series	101,566	May 26-29, 1966	Pittsburgh
Atlanta	102,419	June 30-July 3, 1972	4 dates
Chicago	110,569	April 30-May 2, 1965	4 dates
Cincinnati	141,443	July 23-25, 1965	4 dates
Los Angeles	142,116	August 5-7, 1966	3 dates
Montreal	74,573	August 8-10, 1969	3 dates
New York	108,214	June 24-27, 1965	4 dates
Philadelphia	105,977	August 9-12, 1965	4 dates
Pittsburgh	107,323	July 22-24, 1966	3 dates
St. Louis	123,710	August 18-21, 1967	4 dates
San Diego	63,384	April 20-23, 1973	4 dates
San Francisco	130,514	May 21-23, 1965	4 dates

MONTHLY RECORDS

Total One Month	500,473	May—1965	18 dates
April	226,634	1978	12 dates
May	500,473	1965	18 dates
June	396,381	1966	13 dates
July	427,066	1965	12 dates
August	417,312	1966	16 dates
September	298,527	1965	14 dates
October	36,480	1965	3 dates

The Astros drew 226,634 fans in 12 dates in April of last year, breaking their previous opening month record of 204,974, set in April, 1965.

HOUSTON ALL-TIME PITCHING (TOP 10)

GAMES		WINS		INNINGS PITCHED	
Forsch	363	Dierker	137	Dierker	2295
Dierker	345	Wilson	104	Wilson	1749
Ray	280	Richard	79	Richard	1200
Wilson	266	Forsch	55	Forsch	1092
Gladding	233	Farrell	53	Farrell	1015
Griffin	199	Giusti	47	Giusti	913
Niekro	195	Roberts, Dave A.	47	Bruce	907
Richard	183	Griffin	45	Griffin	863
Farrell	181	Bruce	42	Roberts, Dave A.	843
Giusti	176	Ray	39	Cuellar	700

STRIKEOUTS		WALKS		HITS	
Dierker	1487	Dierker	695	Dierker	2090
Wilson	1283	Richard	632	Wilson	1480
Richard	1061	Wilson	640	Forsch	1054
Farrell	694	Griffin	441	Farrell	947
Forsch	673	Forsch	352	Richard	942
Griffin	652	Giusti	263	Bruce	918
Giusti	625	Ray	242	Giusti	910
Bruce	609	Bruce	242	Griffin	828
Cuellar	557	Niekro	232	Johnson, K.	660
Johnson, K.	471	Farrell	212	Cuellar	633

LOSSES		RUNS		COMPLETE GAMES	
Dierker	117	Dierker	927	Dierker	106
Wilson	92	Wilson	698	Wilson	78
Farrell	64	Richard	496	Richard	53
Forsch	62	Giusti	447	Farrell	41
Griffin	60	Griffin	442	Cuellar	38
Bruce	58	Farrell	432	Roberts, Dave A.	34
Richard	54	Forsch	430	Bruce	24
Giusti	53	Bruce	425	Griffin	24
Johnson, K.	51	Roberts, Dave A.	373	Forsch	20
Roberts, Dave A.	44	Johnson, K.	311	Niekro	20

EARNED RUNS		HOME RUNS		GAMES STARTED	
Dierker	837	Dierker	177	Dierker	320
Wilson	611	Wilson	117	Wilson	245
Richard	450	Farrell	95	Roberts, Dave A.	221
Giusti	408	Giusti	79	Richard	166
Griffin	403	Griffin	70	Bruce	138
Forsch	389	Bruce	69	Farrell	132
Farrell	386	Richard	56	Griffin	123
Bruce	381	Roberts, Dave A.	55	Giusti	118
Roberts, Dave A.	346	Forsch	53	Forsch	97
Johnson, K.	262	Johnson, K.	49	Cuellar	88

SAVES		ERA		SHUTOUTS	
Gladding	74	Cuellar	2.74	Dierker	25
Forsch	48	Wilson	3.14	Wilson	20
Woodeschick	23	Forsch	3.21	Roberts, Dave A.	11
Ray	23	Dierker	3.28	Richard	11
Sambito	19	Richard	3.38	Griffin	9
Owens	13	Farrell	3.42	Giusti	8
Culver	10	Johnson, K.	3.42	Bruce	6
Crawford	10	Ray	3.53	Cuellar	6
Niekro	9	Roberts, Dave A.	3.69	Andujar	5
Cosgrove	8	Gladding	3.71	Billingham	5
				Farrell	5

ASTROS PITCHERS CAREER WINNING STREAKS

Joaquin Andujar	6 games — 1977
Tom Dixon	2 games — 1978
Ken Forsch	4 games — 1971 1978
Joe Niekro	4 games — 1976
J.R. Richard	6 games — 1978
Vern Ruhle	2 games — 1978
Joe Sambito	3 games — 1977

ACTIVE ASTROS LIFETIME SHUTOUTS

Andujar	5 (Atl, Chi, Cin, Mon, NY)
Dixon	2 (Cin, St.L)
Forsch	4 (Atl, LA-3)
McLaughlin	2 (Phi, SF)
Niekro*	4 (Chi, Mon, Pit-2)
Richard	11 (Atl, Cin, LA-4, Mon, NY-2, Phi, SD)
Ruhle**	2 (Atl-2)
Sambito	1 (St.L)

Dan Warthen pitched 1 shutout while with Montreal.

*Does not include 8 shutouts while pitching with Chicago (3), San Diego (3), and Detroit (2).

**Does not include 4 shutouts while pitching with Detroit.

SHUTOUT PITCHERS AGAINST HOUSTON ALL-TIME LEADERS TOP TEN

Sutton	8	Maloney	5
Law	7	Marichal	5
Koufax	6	Osteen	4
Short	6	Perry	4
Jackson, L.	5	Rau	4

NL Players, Active

Barr—2	Hooton—3	Rau—4
Blue—1	Jackson, G.—1	Reed, R.—1
Burris—1	Jones, R.—1	Reuschel, R.—1
Carlton—3	Knepper—3	Reuss—1
Christenson—1	Koosman—1	Rhoden—1
Falcone—1	Lonborg—2	Rogers—1
Forsch, B.—2	McGlothen—1	Ruthven—1
Fryman—2	Niekro, P.—3	Seaver—3
Grimsley—1	Norman—2	Sutton—8
Halicki—1	Perry—4	Twitchell—2
Holtzman—1		Welch—1

No-Hit Games by Houston Pitchers

1963—Don Nottebart vs. Philadelphia at Houston, May 17	4-1
1964—Ken Johnson vs. Cincinnati at Houston, April 23	Lost 1-0
1967—Don Wilson vs. Atlanta at Houston, June 18	2-0
1969—Don Wilson vs. Cincinnati at Cincinnati, May 1	4-0
1976—Larry Dierker vs. Montreal at Houston, July 9	6-0

No-Hit Games Pitched Against Houston

1963—Juan Marichal at San Francisco, June 15	1-0
1969—Jim Maloney at Cincinnati, April 30	10-0

One-Hit Games by Houston Pitchers

1963—Bob Bruce vs. Cincinnati, April 26	2-0
1966—Dave Giusti vs. San Francisco, August 13	3-0
1970—Tom Griffin vs. San Diego, April 19	5-1
1971—Larry Dierker vs. San Diego, May 26	8-0
1971—Don Wilson vs. Cincinnati, September 17	4-1
1972—Jerry Reuss vs. Philadelphia, June 18	10-0
1972—Larry Dierker vs. New York, June 19	3-0
1974—Tom Griffin vs. Pittsburgh, May 7	2-1
1974—Dave Roberts vs. Philadelphia, August 24	1-0
1974—Don Wilson (8-innings)	
Mike Cosgrove (1-inning) vs. Cincinnati, September 4	2-1

One-Hit Games Pitched Against Houston

1962—Al Jackson—New York, June 22	2-0
1963—Johnny Podres (8 innings)	
Larry Sherry (1-inning)—Los Angeles, August 4	4-0
1964—Jim Bunning—Philadelphia, May 18	4-0
1965—Joe Nuxhall—Cincinnati, July 24	2-0
1967—Al Jackson—St. Louis, April 25	4-0
1969—Dick Kelley—San Diego, July 6	1-0
1969—Jim Maloney—Cincinnati, September 26	3-0
1971—Don Sutton—Los Angeles, June 19	4-0
1973—Jon Matlack—New York, July 10	1-0

HOUSTON 20-GAME WINNERS

	W-L	ERA	IP	H	R	ER	BB	SO
1969-Larry Dierker	20-13	2.33	305	240	97	79	72	232
1976-J.R. Richard	20-15	2.75	291	221	105	89	151	214

ALL-TIME MAJOR LEAGUE 300-STRIKEOUT PITCHERS

Rube Waddell, Phila. (AL)	301	1903
Rube Waddell, Phila. (AL)	349	1904
Walter Johnson, Wash. (AL)	313	1910
Walter Johnson, Wash. (AL)	303	1912
Bob Feller, Clev. (AL)	348	1946
Sandy Koufax, LA (NL)	306	1963
Sandy Koufax, LA (NL)	382	1965
Sandy Koufax, LA (NL)	317	1966
Sam McDowell, Clev. (AL)	325	1965
Sam McDowell, Clev. (AL)	304	1970
Mickey Lolich, Det. (AL)	308	1971
Vida Blue, Oak. (AL)	301	1971
Steve Carlton, Phila. (NL)	310	1972
Nolan Ryan, Cal. (AL)	329	1972
Nolan Ryan, Cal. (AL)	383	1973
Nolan Ryan, Cal. (AL)	367	1974
Nolan Ryan, Cal. (AL)	341	1977
J. R. RICHARD, HOUSTON (NL)	303	1978

N.L. PITCHERS VS. HOUSTON ALL-TIME

TOP TEN

Gibson.....	29-13	Jackson, L.....	18-6
Carlton.....	23-9	Short.....	17-6
Osteen.....	21-12	Seaver.....	17-16
Sutton.....	21-13	Nolan.....	15-6
Marichal.....	20-12	Bunning.....	15-7
Jarvis.....	19-4	Maloney.....	15-8

ACTIVE

—A—

Apodaca—0-2

—B—

Bahnsen—0-4
Bair—2-0
Barr—11-8
Bernard—0-1
Bibby—1-1
Blair—1-3
Blue—1-2
Blyleven—1-0
Bonham—4-8
Borbon—10-3
Bruhert—1-1
Burris—5-5

—C—

Camp—0-1
Candeleria—3-0
Capilla—1-3
Carlton—23-9
Carroll, C.—13-5
Castillo—0-2
Christenson—8-4
Curtis—1-3

—D—

D'Acquisto—2-4
Demery—4-0
Demola—1-2
Denny—2-5
Devine—2-0

—E—

Easterly—1-1
Eastwick—3-1
Espinosa—2-0

—F—

Falcone—4-1
Fingers—3-3
Forsch, B.—5-6
Frazier—0-1
Fryman—10-6

—G—

Garber—1-1
Garman—2-2
Grimsley—8-4

—H—

Halicki—9-6
Hausman—0-1
Hernandez, W.—1-0
Holtzman—7-4
Hooton—11-9
Hough—5-5
Hume—2-3

—J—

Jackson, G.—4-4
Jones, R.—7-8

—K—

Kaat—1-1
Kison—4-5
Knepper—4-2
Knowles—2-1
Koosman—12-14

—L—

Lavelle—3-1
La Corte—0-4
Leon—2-4
Lerch—0-1
Lewallyn—1-1
Lockwood—2-3
Lonborg—5-5

—M—

Mahler—0-1
Martinez, S.—1-1
May, R.—1-0
McEnaney—1-0
McGlothen—3-3
McGraw—9-9
Metzger—2-1
Moffitt—5-5
Montefusco—6-4
Moore, D.—0-1
Moskau—2-1
Mura—0-1
Murray—3-3
Myrick—0-1

—N—

Nastu—0-1
Niekro, P.—14-16
Norman—12-7

—O—

Owchinko—0-2

—P—

Perry—14-16
Pirtle—0-1

—R—

Rasmussen—2-4
Rau—11-5
Reed, R.—13-8
Reuschel, R.—7-7
Reuss—5-5
Rhoden—4-1
Roberts, D.—2-5
Robinson—1-0
Rogers—4-7
Rooker—6-2
Ruthven—4-8

—S—

Sarmiento—1-1
Schatzeder—1-0
Schultz—2-0
Seaver—17-16
Shirley—4-2
Siebert—2-1
Solomon—1-0
Soto—0-1
Sutter—1-1
Sutton—21-13
Swan—2-1

—T—

Tekulve—3-1
Toms—0-1
Twitchell—5-7

—U—

Urrea—1-1

—V—

Vuckovich—1-1

—W—

Wehrmeister—0-2
Welch—2-1
Whitson—1-1
Wiley—1-0
Williams, C.—1-2

—Z—

Zachry—1-5

ALL-TIME HOUSTON BATTING LEADERS (TOP 10)

GAMES

Wynn	1,426
Watson	1,332
Rader	1,178
Cedeno	1,161
Metzger	1,021
Aspromonte	1,007
Morgan	891
Staub	833
Edwards	634
Menke	634

AT-BATS

Wynn	5,063
Watson	4,720
Cedeno	4,457
Rader	4,232
Metzger	3,678
Aspromonte	3,588
Morgan	3,268
Staub	2,906
Cabell	2,219
Menke	2,161

RUNS

Wynn	829
Cedeno	720
Watson	625
Morgan	531
Rader	520
Metzger	396
Aspromonte	336
Cabell	321
Staub	297
Menke	269

HITS

Watson	1,409
Cedeno	1,299
Wynn	1,291
Rader	1,060
Aspromonte	925
Morgan	860
Metzger	844
Staub	792
Cabell	623
Menke	575

DOUBLES

Cedeno	265
Watson	237
Wynn	228
Rader	197
Staub	156
Morgan	136
Aspromonte	111
Cruz	101
Menke	101
Cabell	97

TRIPLES

Metzger	62
Morgan	58
Cedeno	43
Wynn	32
Rader	30
Watson	30
Cabell	28
Cruz	26
Aspromonte	24
Gross	22

HOME RUNS

Wynn	223
Cedeno	142
Watson	136
Rader	128
May, L.	81
Morgan	61
Staub	57
Johnson, C.	52
Aspromonte	51
Bateman	45

TOTAL BASES

Wynn	2,252
Watson	2,114
Cedeno	2,075
Rader	1,701
Morgan	1,295
Aspromonte	1,237
Staub	1,143
Metzger	1,071
Menke	806
May, L.	798

RUNS BATTED IN

Watson	764
Wynn	719
Cedeno	617
Rader	600
Aspromonte	385
Staub	370
May, L.	288
Menke	282
Cruz	280
Morgan	278

EXTRA BASE HITS

Wynn	483
Cedeno	450
Watson	404
Rader	355
Morgan	255
Staub	225
Aspromonte	186
Cruz	167
May, L.	167
Metzger	155

BATTING AVG.

Cruz	.298
Gross	.298
Watson	.298
Cedeno	.291
Alou	.282
Cabell	.281
May, L.	.274
Staub	.273
Helms	.269
Menke	.266

SLUGGING PCT.

May, L.	.471
Cedeno	.466
Watson	.448
Wynn	.445
Cruz	.442
Rader	.402
Morgan	.396
Staub	.396
Cabell	.386
Menke	.373

STOLEN BASES

Cedeno	376
Morgan	195
Wynn	180
Cabell	122
Cruz	115
Jackson	73
Metzger	64
Howard, W.	60
Rader	38
Spangler	20

BASES ON BALLS

Wynn	846
Morgan	585
Watson	508
Rader	413
Cedeno	381
Staub	323
Metzger	320
Aspromonte	274
Cruz	231
Gross	207

STRIKEOUTS

Wynn	1,089
Rader	848
Watson	612
Cedeno	580
Metzger	399
Aspromonte	383
Morgan	368
May, L.	364
Bateman	361
Menke	326

ASTROS BATTERS CAREER HITTING STREAKS

Jesus Alou	12 games — 1969
Reggie Baldwin	6 games — 1978
Dave Bergman	5 games — 1978
Bruce Bochy	5 games — 1978
Enos Cabell	14 games — 1978
Cesar Cedeno	22 games — 1977
Jose Cruz	13 games — 1977
Keith Drumright	3 games — 1978
Julio Gonzalez	7 games — 1977
Wilbur Howard	10 games — 1975
Art Howe	11 games — 1977
	1978
Rafael Landestoy	5 games — 1978
Jeff Leonard	7 games — 1978
Jim Obradovich	2 games — 1978
Terry Puhl	18 games — 1978
Luis Pujols	2 games — 1978
Jimmy Sexton	6 games — 1978
Denny Walling	6 games — 1978
Bob Watson	19 games — 1973

HITTING STREAKS THROUGH THE YEARS

- 1962—Roman Mejias 16; Joey Amalfitano, Norm Larker and Carl Warwick 12; Bob Lillis 11; Bob Aspromonte 10.
- 1963—Al Spangler 14.
- 1964—Walt Bond and Jerry Grote 11.
- 1965—Bob Aspromonte, Rusty Staub (twice) 12; Bob Aspromonte 11; Bob Aspromonte, 10.
- 1966—Rusty Staub 17; Sonny Jackson 15; Bob Aspromonte 12; Sonny Jackson 11.
- 1967—Rusty Staub 20; Rusty Staub 14; Bob Aspromonte 12; Joe Morgan 11.
- 1968—Jim Wynn 16; Jose Herrera and Jim Wynn (twice) 11; Rusty Staub and Jim Wynn 10.
- 1969—Denis Menke 14; Jesus Alou 12; Joe Morgan and Denis Menke 11; Curt Blefary 10.
- 1970—Doug Rader 17; Cesar Cedeno 14; Denis Menke 11; Bob Watson 10.
- 1971—Jesus Alou and Cesar Cedeno 10.
- 1972—Cesar Cedeno 14; Tommy Helms 13; Lee May 12; John Edwards 10.
- 1973—Lee May 21; Bob Watson 19; Bob Gallagher 12; Cesar Cedeno and Roger Metzger 11; Tommy Helms and Bob Watson 10.
- 1974—Cesar Cedeno 13; Tommy Helms and Cesar Cedeno 11.
- 1975—Bob Watson 13; Greg Gross 11; Cesar Cedeno, Jose Cruz, Greg Gross and Wilbur Howard 10.
- 1976—Cesar Cedeno 19; Enos Cabell 10.
- 1977—Cesar Cedeno 22; Terry Puhl 17; Jose Cruz 13; Art Howe and Jose Cruz 11; Enos Cabell 10.
- 1978—Terry Puhl 18; Bob Watson 17; Enos Cabell 14; Art Howe and Terry Puhl 11; Bob Watson 10.

NATIONAL LEAGUE HOME RUNS LIFETIME RECORDS VS. HOUSTON

TOP TEN

Aaron.....	46	Santo.....	33
McCovey.....	42	Williams, B.....	32
Mays.....	38	Bench.....	31
Perez, T.....	37	Allen.....	29
Stargell.....	36	Banks.....	26

(N.L. ACTIVE)

—A—	—H—	—P—
Almon—1	Hebner—6	Parker—5
Ashford—2	Henderson—3	Parrish—3
Asselstine—1	Hendrick—6	Perez—37
	Hernandez, K.—1	Pocaroba—1
—B—	Herndon—1	
Baker—17	Hodges—1	—R—
Bench—31	Hooton—1	Rader—3
Berra—1	Hutton—1	Reitz—5
Bibby—1		Rhoden—1
Biittner—3	—I—	Robinson, B.—7
Boggs—1	Ivie—7	Rockett—1
Boisclair—2		Rose—9
Boone—3	—J—	Royster—3
Bowa—1	Johnson, D.—3	Russell—1
Brock—8		Ruthven—1
Buckner—5	—K—	
Burroughs—6	Kingman—15	—S—
	Kranepool—15	Sanguillen—1
—C—		Schmidt—10
Cardenal—2	—L—	Seaver—1
Carlton—4	Lacey—1	Simmons—9
Carter—3	Lopes—4	Sizemore—1
Cash—1	Lum—7	Smith, R.—12
Cey—10	Luzinski—10	Speier—9
Christenson—1		Stargell—36
Clark—2	—M—	Stearns—1
Concepcion—4	Maddox—3	Summers—3
Cruz, H.—2	Madlock—6	
	Martin—5	—T—
—D—	Matthews—10	Trillo—3
Dawson—4	McBride—1	Turner—3
Driessen—5	McCarver—9	
Dwyer—2	McCovey—42	—U—
Dyer—1	Milner—4	Unser—4
	Monday—12	
—E—	Montanez—13	—V—
Evans—17	Moreno—1	Valentine—2
	Morgan—14	
—F—	Morrison—1	—W—
Ferguson—6	Mota—7	Whitfield—3
Foote—3	Mumphrey—1	Winfield—9
Foster—11	Murcer—3	
	—O—	—Y—
—G—	Ontiveras—1	Yeager—8
Garner—1	Ott—4	
Garrett—4		
Garvey—8		
Geronimo—3		
Gilbreath—2		
Gonzalez, F.—1		
Griffey—1		

HOUSTON INDIVIDUAL GRAND SLAM HOME RUNS (LIFETIME-ACTIVE)

Player	w/Houston	Career Total
Cedeno	3	3
Ashby	0	1
Howe	1	1
Watson	5	5

HOUSTON GRAND SLAMS

Player	Date	Opponent	Site	Pitcher	Inning
Buddin	6-10-62	LA	Hou	Moeller	Sixth
Larker	6-20-62	SF	SF	Marichal	Third
Aspromonte	6-11-63	Chi	Hou	McDaniel	Tenth
Campbell	7- 4-63	Cin	Hou	Jay	Eighth
Aspromonte	7-26-63	NY	Hou	Stallard	First
Aspromonte	6-11-64	Cin	Hou	Tsitouris	Fifth
Aspromonte	6-29-64	Phi	Hou	Mahaffey	First
Aspromonte	8-11-66	Chi	Chi	Roberts	Second
Aspromonte	8-26-66	Chi	Hou	Koonce	Ninth
Harrison	9-16-66	Phi	Hou	Short	Fourth
Miller	8-10-68	Pit	Hou	Face	Ninth
Torres	4-27-69	SF	SF	Sadecki	Second
Rader	5-27-69	Phi	Hou	Peraza	Ninth
Menke	7-30-69	NY	NY	Koonce	Ninth
Wynn	7-30-69	NY	NY	Taylor	Ninth
Rader	6- 4-70	Mon	Hou	McGinn	First
Pepitone	6-10-70	NY	Hou	Ryan	Fourth
Menke	7- 9-70	LA	Hou	Foster	First
Watson	9- 7-70	SD	SD	Willis	Sixth
Watson	9-17-70	LA	LA	Brewer	Seventh
Rader	5-16-71	St.L.	Hou	Reuss	First
Cedeno	9- 2-71	LA	Hou	Osteen	Fifth
Wynn	5- 1-72	Pit	Pit	Blass	Fifth
L. May	5- 6-73	NY	NY	Sadecki	Seventh
Helms	6-21-73	SD	SD	Corkins	Fourth
Cedeno	6-24-73	SF	SF	Moffitt	Seventh
L. May	7- 4-73	Atl	Atl	Frisella	Eighth
Watson	8-20-73	Pit	Hou	Lamb	Fifth
M. May	5-22-74	SD	Hou	Romo	Ninth
Cedeno	6-11-74	Phi	Hou	Ruthven	Seventh
C. Johnson	6-15-75	St.L.	St.L.	Garman	Ninth
Watson	8-14-76	Pit	Hou	Candelaria	Sixth
Howe	8-15-77	Atl	Atl	Capra	First
Watson	9- 4-77	Mon	Mon	Brown	First

OPPONENT GRAND SLAMS

Player	Date	Opponent	Site	Pitcher	Inning
Robinson	7- 8-62	Cin	Cin	Bruce	Fifth
E. Bailey	4-10-63	SF	Hou	McMahon	Eighth
Wiley	7-15-63	NY	NY	Johnson	Second
G. Oliver	8-28-63	Mil	Hou	Farrell	Eighth
Burton	8-31-63	Chi	Chi	Woodeshick	Ninth
Williams	5- 1-64	Chi	Hou	Hoerner	First
Stargell	8-28-65	Pit	Pit	Dierker	First
White	8- 3-66	Phi	Phi	Sembera	Fifth
Pavletich	6-11-67	Cin	Cin	Schneider	Ninth
Mays	6-13-67	SF	Hou	Latman	Tenth
Aaron	6-27-67	Atl	Atl	Blasingame	Third
T. Davis	7-19-67	NY	NY	Giusti	First
Lock	8-14-68	Phi	Phi	Lemaster	Third
Hiatt	4-25-69	SF	SF	Schneider	Thirteen
Allen	5- 8-69	Phi	Phi	Griffin	Third
Clemente	6-11-69	Pit	Hou	Blasingame	Sixth
Burda	7- 9-69	SF	SF	Guinn	Eighth
Hickman	8-23-69	Chi	Chi	Gladding	Seventh
Aaron	4-10-70	Atl	Hou	Griffin	Third
Santo	4-26-70	Chi	Chi	Dierker	Sixth
Allen	8- 1-70	St.L.	Hou	DiLauro	Seventh
Webster	9- 7-70	SD	SD	Forsch	Ninth
Marshall	5-11-71	NY	NY	Culver	Sixth
Simmons	5-10-72	St.L.	St.L.	Roberts	Third
Foster	5-31-72	Cin	Hou	Roberts	Third
McRae	6- 1-72	Cin	Hou	Reuss	Sixth
McCarver	6- 2-73	St.L.	St.L.	Gladding	Eighth
Bonds	6-29-73	SF	Hou	Ray	Seventh
Boccabella	7- 6-73	Mon	Mon	Crawford	Sixth
Cey	6-18-75	LA	LA	Griffin	First
Summers	8-23-75	Chi	Chi	York	Seventh
Yeager	9-27-75	LA	LA	Forsch	Third
Tolan	5- 5-76	Phi	Phi	J. Niekro	Sixth
Murcer	5-25-76	SF	SF	Richard	Fifth
Paciorek	6-22-76	Atl	Atl	Cosgrove	Third
Morgan	9- 6-76	Cin	Cin	Richard	Third
Robinson	7-28-77	Pit	Pit	Larson	Sixth
Carter	5- 3-78	Mon	Mon	Richard	Third
Kingman	6- 6-78	Chi	Chi	Zamora	Sixth
Foster	9-11-78	Cin	Cin	Sambito	Seventh

HOUSTON STEALS OF HOME

YEAR	DATE	NAME	VS	IN	Opposing Pitcher and Catcher
1963	4-17	Goss	SF	2	O'Dell-Haller
1964	10-02	Lillis	LA	2	Richert-Roseboro
1965	4-14	Spangler	NY	11	Cisco-Gonder
1965	6-30	Wynn	SF	8	Linzy-Haller
1967	7-01	Ron Davis	LA	8	Perranoski-Torborg
1968	7-22	Rader	LA	6	Grant-Haller
1969	8-12	Morgan	NY	7	Taylor-Grote
1969	8-17	Valdespino	PHA	1	Champion-Watkins
1970	5-22	Menke	CIN	4	Merritt-Bench
1971	5-22	Edwards	SF	3	Robertson-Dietz
1971	7-21	Wynn	MON	6	Renko-Boccabella
1972	8-13	Cedeno	SF	3	Willoughby-Healy
1973	8-14	Lee May	STL	2	Foster-Simmons
1974	6-09	Cedeno	NY	5	Koosman-Grote
1975	5-27	Rader	PGH	6	Rooker-Sanguillen
1975	6-27	Cabell	ATL	4	Easterly-Correll
1976	4-28	Milbourne	MON	6	Granger-Carter
1977	6-08	Gonzalez	PHA	5	Carlton-McCarver
1977	7-25	Cedeno	CHI	8	P. Reuschel-Mitterwald
1977	9-07	Cedeno	SD	3	Freisleben-Roberts
1978	7-14	Cabell	MON	4	Rogers-Carter

HOUSTON INSIDE-THE-PARK HOME RUNS ALL-TIME

5-10-62	Mejias vs. Drysdale (LA) at Houston
8-26-63	Bateman vs. Fischer (MIL) at Houston
7-4-64	Gaines vs. Friend (PGH) at Houston
6-12-66	Staub vs. Ellsworth (CHI) at Houston
6-19-66	Jackson vs. Pappas (CIN) at Houston
6-21-66	Jackson vs. Sutton (LA) at Houston
6-25-66	Jackson vs. Washburn (STL) at Houston
7-30-67	Wynn vs. Fisher (NY) at Houston
8-4-69	Rader vs. Jenkins (CHI) at Houston
9-13-70	Morgan vs. Kester (ATL) at Houston
6-29-71	Cedeno vs. P. Niekro (ATL) at Houston
9-2-71	Cedeno vs. Osteen (LA) at Houston
7-18-72	Cedeno vs. Cleveland (STL) at Houston
8-31-74	Rader vs. Lonborg (PHA) at Philadelphia
5-10-77	Howard vs. Krukow (CHI) at Houston

OPPOSITION INSIDE-THE-PARK HOME RUNS VS. HOUSTON-ALL-TIME

6-23-62	Ashburn vs. Stone at New York
4-22-63	White vs. Johnson at St. Louis
4-21-64	Ruiz (CIN) vs. Yellen at Houston
9-1-64	Allen vs. Farrell at Philadelphia
6-7-64	Mazeroski vs. Bruce at Pittsburgh
5-23-65	Hart vs. Johnson at San Francisco
6-11-65	Callison vs. Owens at Philadelphia
6-22-65	Gonzalez vs. Bruce at Philadelphia
5-14-66	White vs. Dierker at Philadelphia
8-1-66	Allen vs. Owens at Philadelphia
6-30-67	Parker (LA) vs. Wilson at Houston
7-22-67	Mota vs. Schneider at Pittsburgh
9-20-68	Cardenas vs. Dierker at Cincinnati
4-17-69	Jackson (ATL) vs. Blasingame at Houston
5-30-69	Moose vs. Griffin at Pittsburgh
6-10-69	Oliver (PGH) vs. Griffin at Houston
7-1-69	Mota vs. Lemaster at Los Angeles
7-16-69	W. Davis (LA) vs. Dierker at Houston
5-3-70	Brock vs. Griffin at St. Louis
7-9-70	W. Davis (LA) vs. Billingham at Houston
8-8-70	Pitlock vs. Blasingame at San Francisco
8-14-70	Phillips (MON) vs. Cook at Houston
5-30-72	Bench (CIN) vs. Wilson at Houston
7-9-72	Maxvill vs. Dierker at St. Louis
8-18-72	Bowa vs. Roberts at Philadelphia
8-30-72	Harmon (PHA) vs. Reuss at Houston
5-12-74	Rettenmund vs. Wilson at Cincinnati
8-1-74	J. Cruz vs. Forsch at St. Louis

HOUSTON WINNING AND LOSING STREAKS (5 OR MORE)

	Wins in a Row	Losses in a Row
1962		5,5,5,5,6,7,7
1963	6	5, 5, 6, 6, 6, **10
1964	5, 5	5, 7, 8
1965	*10	5, 7, 8, 8
1966	5, 5	5, 6, 7, 8, 9
1967	6, 7	5, 8, 9, **10, **10
1968	6	5, 6, 6, 7
1969	6, 8, *10, *10	5, 6, 7, 8
1970	6, 7	5, 5, 5, 5, 6, 8
1971	6, 8	6
1972	5, 6, 6, 6, 9	6
1973	6, 9	
1974	5, 5, 6	**10
1975	5, 5	5, 5, 5, 7, 9, 9
1976	5, 5, 6, 7	5, 5, 6, 6
1977	8	6, 6, 8
1978	5, 5, 8	5, 5, 6, 7

* longest winning streak

** longest losing streak

THE ASTRODOME

1. THE WORLD'S FIRST AIR-CONDITIONED ALL-PURPOSE STADIUM

The world's first air-conditioned, domed, all-purpose stadium, shining like a precious jewel in southwest Houston, Texas, was constructed by the citizens of Harris County at a cost of \$20.5 million plus \$3 million for the land on which the structure is located, and a total cost of \$31.6 million for the entire project including access roads and parking.

The stadium is leased for 40 years to the Houston Sports Association, which owns and operates Houston's National League baseball club. The HSA pays an annual lease fee of \$750,000 plus all operating costs, and has the right to sub-lease the stadium.

2. HOME OF—

- Houston Astros National League baseball team
- Houston Oilers, National Football League
- University of Houston Cougar football team
- Houston Livestock Show and Rodeo
- Conventions of all types and sizes
- Houston Hurricane, North American Soccer League
- Shows and Circuses
- Championship boxing matches
- Other Sports and functions

3. STADIUM COMPLEX COVERS 260 ACRES

The stadium structure itself covers nine and a half acres of land, and the entire complex, including exhibition halls and parking area, covers 260 acres.

The outside diameter of the stadium structure is 710 feet and the floor of the stadium is approximately 25 feet below normal ground level, affording minimum vertical travel by fans.

4. COMFORTABLE CUSHIONED, UPHOLSTERED SEATING

There are 41,000 cushioned, upholstered (seat and back) theatre seats in the stadium and 4,000 pavillion seats with cushioned upholstered seats and wooden backs.

The seating capacities are 45,000 for baseball, 52,000 for football, 60,000 for conventions and a maximum of 66,000 for boxing or similar events.

Seating can be arranged to accommodate any type of sports or meeting from rodeos to national political conventions. To convert from baseball to football seating, the stands holding 10,000 seats move around on steel rails until they parallel the football sidelines.

Seating is arranged on six levels, allowing in effect, six front rows. All seats face the center of the playing area for baseball and football with the radius point of the stadium 20 feet behind second base on the baseball diamond. This means that the seats in center field stands are just as close to the center of action as some of the best seats behind home plate.

5. TWO MILLION DOLLAR SCOREBOARD

The stadium scoreboard is an attraction itself, featuring all pertinent sports information plus an electrical show that lasts over 40 seconds when the home team hits a home run or scores a point.

The scoreboard, built at a cost of \$2 million, is adaptable to all spectator sports and is over 400 feet long. It includes a teletite picture screen in direct center field, an automatic message board, and three additional boards for valuable information such as line-ups, scores, balls and strikes, and special displays.

Two auxiliary scoreboards also display the most pertinent information.

6. RAMPS AND ESCALATORS PROVIDE EASY ACCESS TO SEATS

Wide, low-pitched ramps and two sets of escalators provide easy access to the seats, and the entire stands can be emptied in nine minutes with a maximum crowd.

7. UNIQUE ROOF AND LIGHTING SYSTEM

The permanent roof of the dome, which has a clear span of 642 feet (twice that of any previous structure), has a maximum height of 208 feet above the playing field. This would allow the construction of an 18-story building under the roof.

The roof design consists of a steel lamella frame incorporating trussed beams arching upward to meet at the center and braced in a diamond pattern.

This steel skeleton supports a roof containing 4,596 skylights (7'2" by 3'4") each made of cast acrylic sheet.

The roof can withstand hurricane winds of 135 m.p.h. and gusts of 165 m.p.h.

The playing field is illuminated to an average brightness of 150 foot candles by 1,906 floodlights, and the total electric power consumed exceeds 18,000 KVA, more than that needed by a city of 9,000 population.

8. OVER 6,000 TONS OF AIR-CONDITIONING

The stadium is completely air-conditioned with 6,600 tons of cooling capacity, costing some \$4.5 million. The system circulates 2.5 million cubic feet of air each minute. Every minute 250,000 cubic feet of fresh air is drawn into the stadium and conditioned by electronic filters and activated charcoal odor removers before being distributed through the system. Smoke and hot air are drawn out through the top of the roof.

9. PLAYING SURFACE

The playing surface of the Astrodome is AstroTurf. Initially only the infield was covered with the man-made turf. On July 19, 1966 the entire surface of the Astrodome was covered with the AstroTurf. A new surface was installed in April of 1978.

ON THE AIR

Veteran Gene Elston and Dewayne Staats will team once again in 1979 to bring Astros baseball to fans on KRIV-TV, Channel 26, and KPRC Radio. The Astros will televise between 60 and 81 road games this season with all 162 contests being carried on KPRC.

Elston, who has been with the club since its inception in 1962, will be starting his 38th year in broadcasting and his 17th season of Houston baseball.

Gene began his career in his hometown of Fort Dodge, Iowa, in 1941. His baseball career started in 1946, broadcasting for Waterloo, Iowa, of the Three I league. He made his major league debut with the Chicago Cubs in 1954 and also worked for Mutual Radio on its national "Game of the Day".

Staats joined Elston and the Astros in 1977 and Dewayne's credentials point out his vast experience in electronic media.

A graduate of Southern Illinois University, the 26-year old Staats served as sports anchorman and sports director of KPLR-TV in St. Louis. He also served as co-host of St. Louis' Emmy Award-winning "Weekend in St. Louis" program before coming to Houston.

While in St. Louis, he also worked as a sports correspondent for both NBC and ABC.

HOUSTON CHAPTER—BASEBALL WRITERS' ASSOCIATION OF AMERICA

President—Kenny Hand (Post)
Sec./Treasurer—Fred Hartman (Baytown Sun)
Recording Secretary—Gary Taylor (UPI)

Bob Anderson, Houston Post
John Black, Rosenberg Herald
Coaster
David Casstevens, Houston Post
Herb Elk, UPI
Fred Faour, Houston Chronicle
Jack Gallagher, Houston Post
Kenny Hand, Houston Post
*Fred Hartman, Baytown Sun
Joe Heiling, Beaumont Enterprise
Journal

John Hollis, Houston Post
Dean Juippe, Pasadena News
Citizen
Mike Lutz, AP
Ivy McLemore, AP
*Dick Peebles, Houston Chronicle
Harry Shattuck, Houston Chronicle
*Max Skelton, AP
Gary Taylor, UPI
George White, Houston Chronicle
John Wilson, Houston Chronicle

*Charter Members (1962)

NATIONAL LEAGUE UMPIRES: Nick Colosi, 1; Jerry Crawford, 2; Jerry Dale, 3; Satch Davidson, 4; Bob Engel, 5; Bruce Froemming, 6; Eric Gregg, 7; Doug Harvey, 8; John Kibler, 9; John McSherry, 10; Ed Montague, 11; Andy Olsen, 12; Paul Pryor, 13; Frank Pulli, 14; Jim Quick, 15; Dutch Rennert, 16; Paul Runge, 17; Dick Stello, 18; Terry Tata, 19; Ed Vargo, 20; Harry Wendelstedt, 21; Joe West, 22; Lee Weyer, 23; Bill Williams, 24; Charlie Williams, 25.

HOUSTON ROAD HOTELS

Atlanta	Marriott Motor Hotel	(404) 659-6500
	Courtland & Cain Sts. 30303	
Chicago	Executive House	(312) 346-7100
	71 E. Wacker Drive 60601	
Cincinnati	Terrace Hilton	(513) 381-4000
	15 West Sixth St. 45201	
Los Angeles	Biltmore Hotel	(213) 624-1011
	515 S. Olive St. 90013	
Montreal	Loews LaCite	(514) 288-6666
	3625 Park Ave. Quebec	
New York	New York Sheraton	(212) 247-8000
	870 Seventh St. 10019	
Philadelphia	Holiday Inn University City	(215) 387-8000
	36th and Chestnut 19104	
Pittsburgh	Hyatt House	(412) 391-5000
	Chatam Center 15219	
St. Louis	Breckenridge Hotel	(314) 421-1776
	One Broadway 63102	
San Diego	Town & Country	(714) 291-7131
	500 Hotel Circle 92110	
San Francisco	Sheraton Palace	(415) 392-8600
	639 Market St. 94119	

HOUSTON ALL-STAR GAME SELECTIONS PITCHING

	IP	H	R	ER	BB	SO
1962 Dick Farrell	1	3	3	3	1	2
1963 Hal Woodeshick	2	1	0	0	1	3
1964 Dick Farrell	2	2	1	1	1	1
1965 Dick Farrell	1	0	0	0	1	0
1966 Claude Raymond				(Did Not Play)		
1967 Mike Cuellar	2	1	0	0	0	2
1969 Larry Dierker	0.1	1	0	0	0	0
1971 Larry Dierker				(Did Not Play—Injured)		
Don Wilson	2	0	0	0	1	2
1976 Ken Forsch	1	0	0	0	0	1
1977 Joaquin Andujar				(Did Not Play—Injured)		

OTHER PLAYERS

	AB	R	H	RBI	PO	A	E
1966 Joe Morgan							
				(Did Not Play—Injured)			
1967 Rusty Staub	1	0	1	0	0	0	0
Jimmy Wynn	1	0	1	0	0	0	0
1968 Rusty Staub	1	0	0	0	0	0	0
1969 Denis Menke	1	0	0	0	1	0	0
1970 Denis Menke	0	0	0	0	2	1	0
Joe Morgan	2	1	1	0	1	2	0
1972 Cesar Cedeno	2	1	1	0	0	0	0
Lee May	4	0	1	1	13	2	0
1973 Cesar Cedeno	3	0	1	1	3	0	0
Bob Watson	0	0	0	0	0	0	0
1974 Cesar Cedeno	2	0	0	0	2	0	0
1975 Bob Watson	1	0	0	0	0	0	0
1976 Cesar Cedeno	2	1	1	2	1	0	0
1978 Terry Puhl				(Did Not Play)			

TICKET INFORMATION ASTRODOME TICKET OFFICE

Open daily 9:00 a.m. to 5:00 p.m.—9:00 a.m. to 8:00 p.m. on nights of games and 5:00 p.m. on Sundays when the Astros are at home.

BY MAIL

Box and reserved seat tickets may be purchased in advance by mail for any home game. Please specify DATE OF GAME, NUMBER and TYPE OF TICKETS (box or reserved).

Mail check or money order (payable to HOUSTON ASTROS BASEBALL CLUB) for exact amount plus 50¢ (per order) for handling to:

TICKET OFFICE
HOUSTON ASTROS
P. O. Box 1691

Houston, Texas 77001

No C.O.D. or telephone reservations

CREDIT CARDS ACCEPTED: Master Charge and Visa

GROUP ORDERS: For club, fraternal organizations, social clubs, employee groups or community nights (Special 10% discount on groups of 30 or more persons, 15 or more Little Leaguers or Scouts) for box or reserved seats.

TICKET PRICES

PRESS CLUB LEVEL	\$6.50
FIELD LEVEL	6.00
MEZZANINE	4.50
LOGE	3.50
GOLD LEVEL (Upper level general admission)	2.00
*PAVILION (General Admission)	1.50

* = Sold day of game only or when box and reserved seats are sold out.

OUT-OF-TOWN BY TELE-TICKET

Out-of-town fans can now make ticket reservations at the outlets listed below which are on the Astros Tele-Ticket network.

TEXAS

Arlington: Southwest Funseekers

Austin: Joske's—Highland Mall; Bergstrom A.F.B.

Baytown: Baytown State Bank; Exxon Baytown Credit Union

Brenham: First National Bank

College Station: University National Bank

Conroe: First National Bank

Corpus Christi: Astrodomain Ticket Agency; Naval Air Station

Dallas: Preston Ticket Agency

Dayton: Dayton State Bank

El Campo: First National Bank of El Campo

Fort Worth: Amusement Ticket Service

Freeport: Brazosport Bank of Texas; First Freeport National Bank

Galveston: First Hutchings Sealy National Bank; Moody National Bank;

University National Bank

Humble: First City Bank of Humble

Huntsville: First National Bank of Huntsville

Katy: Katy National Bank

Killeen: Ft. Hood Recreation Services

Lake Jackson: Lake Jackson Bank

Lufkin: Lufkin National Bank; Texas National Bank

Orange: Orange Bank

Port Neches: Mid-County Bank

San Antonio: Joske's Alamo Plaza; Joske's North Star Mall; Joske's Las Palmas Mall; Joske's Windsor Park

Sweeny: Sweeny Bank

Texas City: Mainland Savings; Texas City National Bank; Carbide Employees Federal Credit Union

Waco: Westview National Bank

NOTES

MAJOR LEAGUE PUBLIC RELATIONS DIRECTORY NATIONAL LEAGUE

CLUB	NAME	OFFICE	PRIVATE	HOME
NL OFFICE	Blake Cullen	(212) 582-4213		
Atlanta	Bob Hope	(404) 522-7630	577-3667	292-6560
	Wayne Minshew	(404) 522-7630		
Chicago	Buck Peden	(312) 281-5050	281-6958	271-4134
Cincinnati	Jim Ferguson	(513) 421-4510	421-2990	232-7590
	Bob Rathgeber	(513) 421-4510	421-2990	521-1395
Houston	Herb Elk	(713) 749-9600	749-9523	729-2369
	Paul Darst	(713) 749-9600	749-9597	668-3340
	Ed Wade	(713) 749-9600	749-9596	729-0399
Los Angeles	Fred Claire	(213) 224-1306	224-1310	(714) 624-9383
	Steve Brenner	(213) 224-1301	224-1331	996-2493
	Bill Shumard	(213) 224-1301		860-7292
Montreal	Richard Griffin	(514) 253-3434	253-3263	935-8291
	Monique Giroux	(514) 253-3434	253-3263	384-9924
New York	Arthur Richman	(212) 672-2000	672-2457	675-5388
	Tim Hamilton	(212) 672-2000	672-5996	688-9183
Philadelphia	Larry Shenk	(215) 463-6000	755-9321	(302) 798-4205
	Chris Wheeler	(215) 463-6000	755-9322	483-7563
	Dennis Lehman	(215) 463-6000	—	482-5034
Pittsburgh	Joe Safety	(412) 323-1000	322-5084	941-5444
St. Louis	Jim Toomey	(314) 421-3060	421-6450	821-7126
	C. J. Cherre	(314) 421-3060	421-6450	576-7164
San Diego	Bob Chandler	(714) 283-4494	283-1790	279-1583
	Be Barnes	(714) 283-4494	—	223-0198
San Francisco	Stu Smith	(415) 467-8000	468-5544	573-6054
	Ralph Nelson	(415) 467-8000	—	(408) 246-6191

AMERICAN LEAGUE

AL OFFICE	Bob Fishel	(212) 682-7000		
Baltimore	Bob Brown	(301) 243-9800	235-9710	825-8560
	Allen Barrett Jr.	(301) 243-9800	235-9710	377-0360
Boston	Bill Crowley	(617) 267-9440	267-2890	444-8368
	Dick Bresciani	(617) 267-9440	267-2890	899-1202
California	Tom Seeberg	(714) 634-2000	—	586-2211
	Mel Franks	(714) 634-2000	—	997-3362
Chicago	Don Unferth	(312) 924-1000	924-1412	598-7439
	Toni Scalise	(312) 924-1000	924-1073	—
Cleveland	Harry Jones	(216) 861-1200	861-4454	331-2715
	Joe Bick	(216) 861-1200	861-4454	257-4439
Detroit	Hal Middlesworth	(313) 962-4000	962-0825	963-3922
	Dan Ewald	(313) 962-4000	962-0825	528-0518
Kansas City	Dean Vogelaar	(816) 921-8000	921-8154	229-6446
	Bruce Carnahan	(816) 921-8000	921-8154	(913) 341-2579
Milwaukee	Tom Skibosh	(414) 933-9000	933-6332	781-0157
Minnesota	Tom Mee	(612) 854-4040	854-3670	447-2065
New York	Mickey Morabito	(212) 293-4300	933-6975	737-2883
Oakland	Carl Finley	(415) 762-3100	635-3927	444-6292
Seattle	Randy Adamack	(206) 628-3555	628-3319	—
	Dave Szen	(206) 628-3555	628-3319	322-7238
Texas	Burt Hawkins	(817) 273-5222	273-5255	265-8708
	Dan Schimek	(817) 273-5222	273-5256	275-8272
Toronto	Howard Starkman	(416) 595-0077	595-0282	622-6245
	David Honderich	(416) 595-0077	—	484-0110

Commissioners Office Bob Wirz (212) 586-7400

The first official National League home run hit in the Astrodome was by Richie Allen of the Philadelphia Phillies on April 12, 1965. It was hit off Astros' pitcher Bob Bruce in the third inning with one man on base. It was not until April 24th that a Houston player hit a home run in the Astrodome in league play. Bob Aspromonte connected off Vernon Law of the Pittsburgh Pirates in the sixth inning with one man on base.

1979 HOUSTON ASTROS

SUN	MON	TUES	WED	THUR	FRI	SAT
1	2	3	4	5	6 7:35 ATL	7 7:35 ATL
8 2:05 ATL	9 7:35 LA	10 7:35 LA	11 7:35 LA	12	13 9:35 SF	14 3:05 SF
15 2:05 SF-DH	16 9:30 LA	17 9:30 LA	18 9:30 LA	19	20 7:35 PIT	21 7:35 PIT
22 2:05 PIT	23	24 1:30 CHI	25 1:30 CHI	26 1:30 CHI	27 6:35 PIT	28 1:15 PIT
29 12:05 PIT	30 7:35 SL	APRIL				

Times shown are Houston Times

SUN	MON	TUES	WED	THUR	FRI	SAT
MAY		1 7:35 STL	2 7:35 STL	3 12:30 STL	4 7:05 CIN	5 4:30 CIN
6 12:15 CIN-DH	7	8 7:35 STL	9 7:35 STL	10 7:35 STL	11 7:35 CHI	12 5:35 CHI-DH
13 2:05 CHI	14	15 7:35 SF	16 7:35 SF	17 7:35 SF	18 7:35 SD	19 6:00 SD
20 1:05 SD-DH	21 6:35 ATL	22 6:35 ATL	23 6:35 ATL	24	25 9:00 SD	26 9:00 SD
27 3:00 SD	28 8:00 SD	29 7:35 CIN	30 7:35 CIN	31 7:35 CIN		

SUN	MON	TUES	WED	THUR	FRI	SAT
JUNE					1 7:35 MON	2 7:35 MON
3 7:35 MON	4 7:35 PHI	5 7:35 PHI	6 7:35 PHI	7	8 7:05 NY	9 1:05 NY
10 1:05 NY	11 6:35 PHI	12 6:35 PHI	13 6:35 PHI	14	15 6:35 MON	16 6:35 MON
17 12:35 MON	18 7:35 NY	19 7:35 NY	20 7:35 NY	21	22 7:35 SD	23 7:35 SD
24 2:05 SD	25 6:35 CIN-DH	26 7:35 CIN	27 9:35 SF	28 3:05 SF	29 9:00 SD	30 9:00 SD



= Home Games



= Television
KRIV-TV, Ch. 26



= Away Games

SEASON BASEBALL SCHEDULE

SUN	MON	TUES	WED	THUR	FRI	SAT
1 3:00 SD	2	3 7:05 CIN	4 12:00 CIN	5 7:05 CIN	6 1:30 CHI	7 1:15 CHI
8 1:15 CHI	9	10 7:35 PIT	11 7:35 PIT	12 7:35 PIT	13 7:35 STL	14 7:35 STL
15 2:05 STL	16	17 ALL-STAR GAME at Seattle Kingdome	18	19 6:35 PIT	20 6:35 PIT	21 1:15 PIT
22 1:15 STL	23 7:35 STL	24 7:35 CHI	25 7:35 CHI	26 7:35 LA	27 7:35 LA	28 7:35 LA
29 7:35 LA	30 7:35 SF	31 7:35 SF	JULY			

SUN	MON	TUES	WED	THUR	FRI	SAT
AUGUST			1 7:35 SF	2	3 7:35 ATL	4 5:35 ATL-DH
5 7:35 ATL	6	7 9:30 LA	8 9:30 LA	9 3:00 LA	10 6:35 ATL	11 6:35 ATL
12 6:05 ATL	13 7:35 MON	14 7:35 MON	15 7:35 MON	16	17 7:35 PHI	18 7:35 PHI
19 1:05 PHI	20 7:05 NY	21 7:05 NY	22 1:05 NY	23	24 7:05 PHI	25 6:35 PHI
26 6:05 PHI	27 6:35 MON	28 6:35 MON	29 6:35 MON	30	31 7:35 NY	

SUN	MON	TUES	WED	THUR	FRI	SAT
SEPTEMBER						1 7:35 NY
2 2:05 NY	3 7:35 LA	4 7:35 LA	5 7:35 SD	6 7:35 SD	7 7:35 SF	8 7:35 SF
9 2:05 SF	10 ▼	11 7:05 CIN	12 7:05 CIN	13	14 9:35 SF	15 3:05 SF
16 3:05 SF	17 9:00 SD	18 8:00 SD	19 7:35 ATL	20 7:35 ATL	21 7:35 CIN	22 7:35 CIN
23 2:05 CIN	24 6:35 ATL	25 6:35 ATL	26 6:35 ATL	27	28 9:30 LA	29 3:00 LA
30 3:00 LA						

